DVD / AV RECEIVER

DVR-6100/6100K

SERVICE MANUAL

(DVT-6100)

KENWOOD

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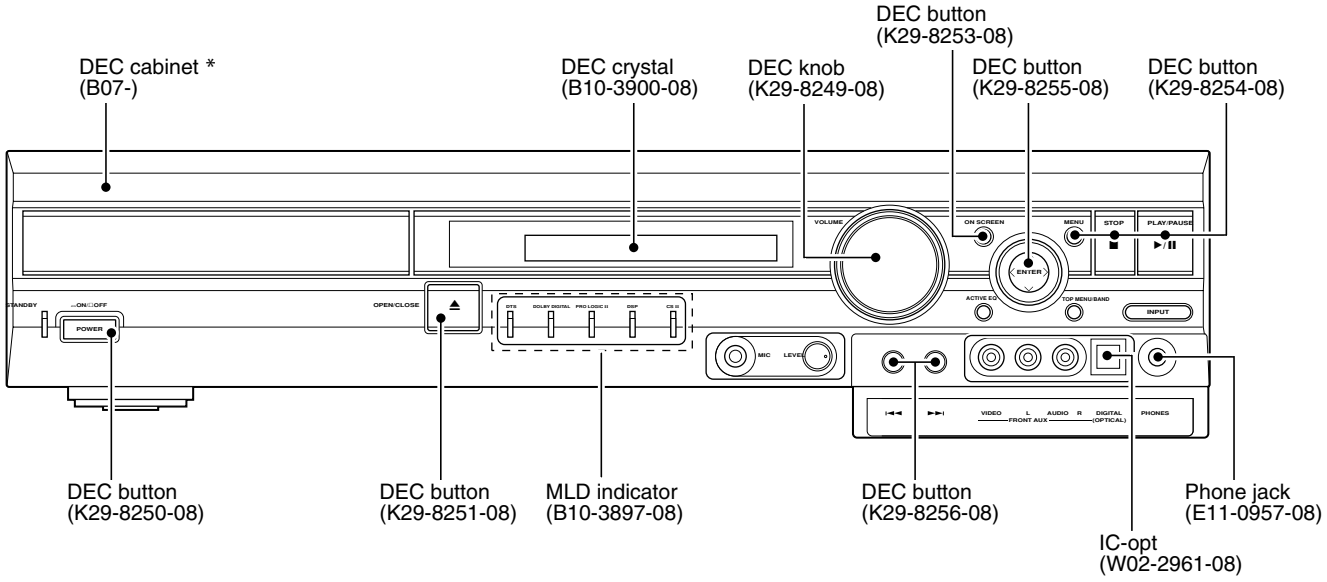
B51-5803-00 (K/K) 2196

note: This manual is not available for U.S.A and canada market.



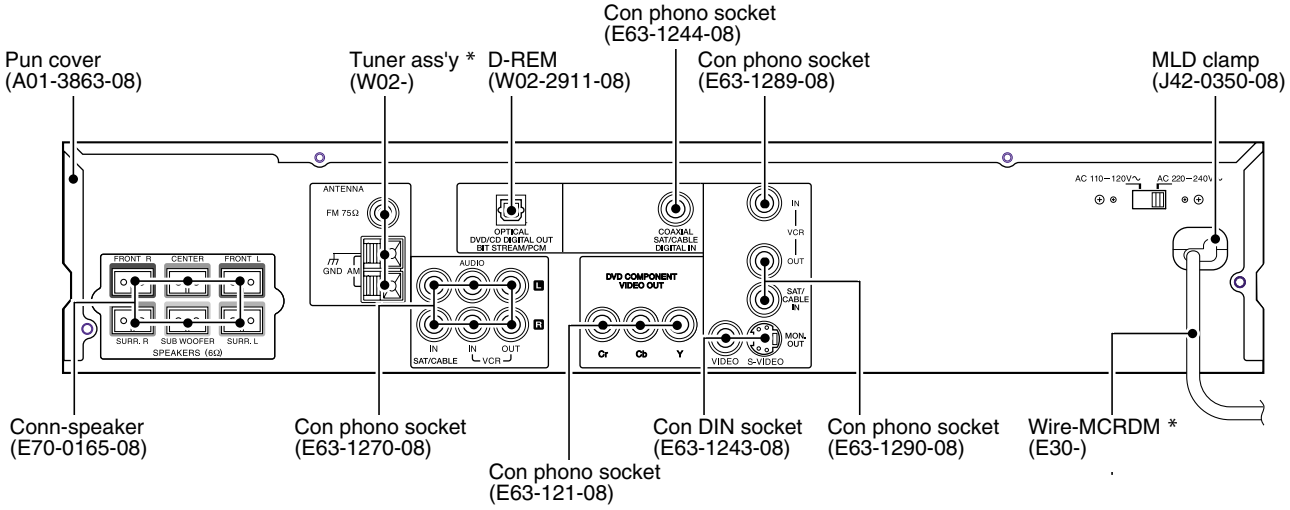


Illustration is DVR-6100K.

*** Refer to parts list on page 37.**

In compliance with Federal Regulations, following are reproduction of labels on, or inside the product relating to laser product safety.

Caution : No connection of ground line if disassemble the unit. Please connect the ground line on rear panel, PCBs, Chassis and some others.

KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

70%

DVR-6100/6100K

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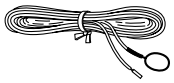
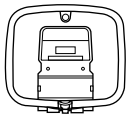
Accessories

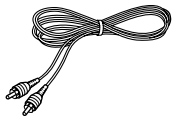
FM indoor antenna (1)
(T90-0882-08)



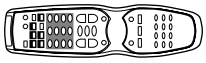
Loop antenna (1)
(T90-0896-08)



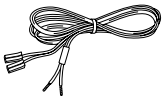
Video cord (1)
(E30-1427-05)



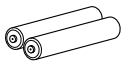
Remote control unit (1)
(A70-1607-08): KP
(A70-1608-08): YX
(A70-1609-08): ET
(A70-1610-08): MM2H



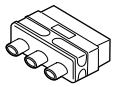
Speaker cords (6)
(E30-7265-08): RED
(E30-7283-08): GREEN
(E30-7284-08): BLUE
(E30-7285-08): VIOLET
(E30-7269-08): GREY
(E30-7286-08): WHITE



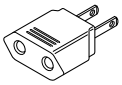
Batteries (R6/AA) (2)



SCART plug adaptor (1)
(Europe and U.K. only)
(E69-0012-05)



*AC Plug Adaptor (1) *
(E03-0115-05)



Use to adapt the plug on the power cord to the shape of the wall outlet.
(Accessory only for regions where use is necessary.)

Cautions

Caution on condensation

Condensation (of dew) may occur inside the unit when there is a great difference in temperature between this unit and the outside.
This unit may not function properly if condensation occurs. In this case, leave the unit for a few hours, and restart the operation after the condensation has dried up.
Be specially cautious against condensation in a following circumstances:
When this unit is carried from one place to another across a large difference in temperature, when the humidity in the room where this unit is installed increases, etc.

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

❶ **Remove the disc from the unit.**
❷ Press the ►/II key.

❸ Wait a few seconds and turn the unit OFF.

Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

Set the POWER switch to ON (set to Standby mode). Then press the ►►I key, I◄◄ key and STOP key in this order.

- Please note that resetting the microcomputer clears the contents stored in and returns and to condition when it left the factory.

Memory backup function

Stored contents which are cleared in at least a week after power plug is unplugged from power outlet.

Amplifier section
Last input selection
Volume control value
Surround setting
ACTIVE EQ
Tuner section
Receiving band
Frequency
Preset stations
Tuning mode setting
DVD section
Menu setup
Power status

WARNING NOTICE:

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The marking of products using lasers (Except for some areas)

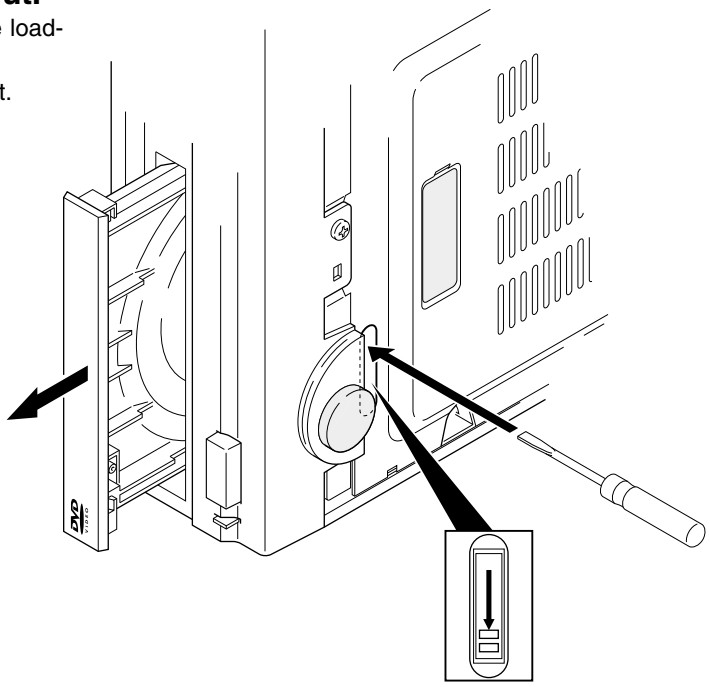
**CLASS 1
LASER PRODUCT**

The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.
Location: Back panel

DISASSEMBLY FOR REPAIR

How to open the tray if it does not come out.

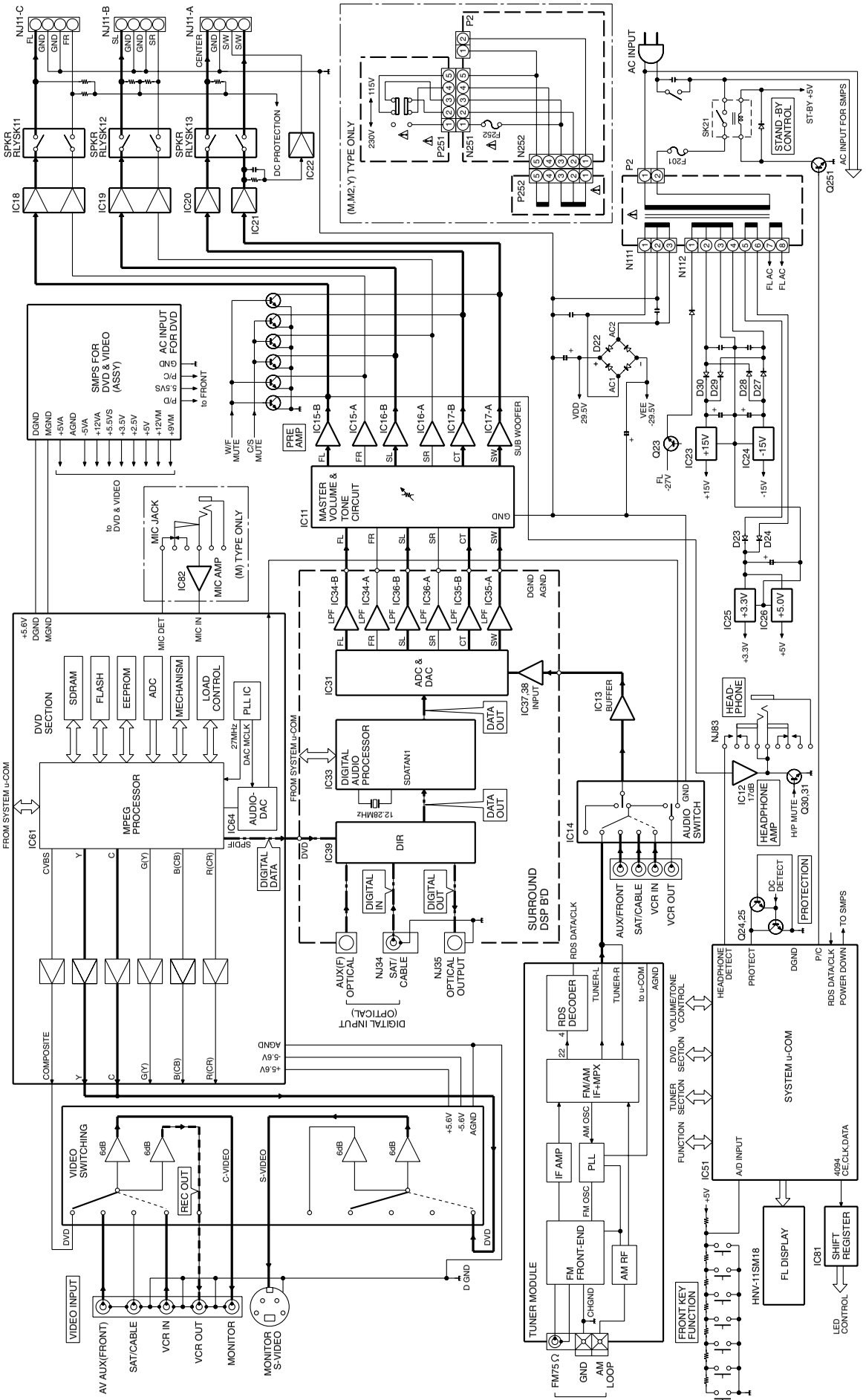
1. Insert a flat driver in the drawing through the hole on the loading chassis bottom and pull the lever down.
2. Pull out the tray frontward by hand when it comes just out.



SYSTEM CONFIGURATION

SYSTEM	RECEIVER	SPEAKERS	SUB WOOFER	DESTINATIONS
DVT-6100	DVR-6100	KSW-6100	-	E,T,X,Y,M
DVT-6100K	DVR-6100K	KSW-6100	-	M,H
DVT-6100K	DVR-6100K	KSW-6100	-	M2(UAE)

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. Pin Description of MPEG Processor IC (DVD Part IC61)

	Pin No.	Pin Name	I/O	Pin Description
PIOs and communication				
	1	PIO2(5) RGB SEL(BLANK)	I/O	RGB sel (blank). unused
	2	PIO2(6) VIDEO MUTE	I/O	Video mute control.
	3	PIO2(7) 16: 9 INDICATOR	I/O	16 : 9 indicator (unused).
	6	PIO3(0) SCART H (TV/AUX)	I/O	Unused.
	7	PIO3(1)	I/O	Unused.
	8	PIO3(2)	O	CSB
*	9	PIO3(3)	O	SDIN
	10	PIO3(4) IR REMOCON	I/O	Unused.
*	11	PIO3(5)	O	SCLK
	12	PIO3(6)	I/O	Unused.
	13	PIO3(7) DVD RESET	I/O	Power- on reset of front-end module.
Front-end				
	16	B DATA	I	I2S Data
	17	B BCLK	I	I2S Bit clock
	18	B FLAG	I	I2S Error flag
	19	B SYNC	I/O	I2S Sector / ABS time
Reserved				
	20	B WCLK	I/O	Unused.
	21	B V4	I/O	Unused.
	22	NRSS OUT	I/O	Unused.
	23	VDD RGB	-	Supply voltage for RGB (+3.3VA).
	24	VSS RGB	-	GND
Video DAC				
	25,26,27	B/G/R (OUT)	O	B/G/R signal outputs.
	28	V REF RG	I	Reference voltage input for DAC RGB.
	29	I REF RG	I	Reference current input for DAC RGB.
	30	VDD YCC	-	Supply voltage for YCC (+3.3VA).
	31	VSS YCC	-	GND
	32~34	Y/C/CV (OUT)	O	Y/C/CV signal outputs.
	35	V REF YCC	I	Reference voltage input for DAC YCC.
	36	I REF YCC	I	Reference current input for DAC YCC.
PIOs and communication				
	39	PIO4(0)HP MUTE	-	Unused.
	40	PIO4(1)	-	Unused.
	41	PIO4(2)	O	DAC system clock output.
	42	PIO4(3) DAC RESET	O	DAC reset output.
	43	PIO4(4) PLL CS	O	DAC mute control.
	44	PIO4(5) DAC CLOCK	O	DAC clock output
	45	PIO4(6) DAC DATA	O	DAC data output.
	46	PIO4(7) DAC CS	O	DAC chip select.
Audio DAC				
	48	VDD PCM	-	Supply voltage for PCM (+3V3).
	49	VSS PCM	-	Ground for PCM.
	51	DAC SCLK (BCK)	O	DAC over sampling clock.
	52	DAC PCMOUT0 (DATA)	O	DAC PCM data out 0.
	53	DAC PCMOUT1	O	DAC PCM out 1 (unused).
	54	DAC PCMOUT2	O	DAC PCM out 2 (unused).
	55	DAC PCMCLK	O	DAC PCM clock.
	56	DAC LRCLK	O	DAC PCM Left/Right clock.
	57	SPDIF OUT	O	Audio digital data output.
Shared memory interface				
	58~63	SMI ADR(4~9)	O	SDRAM address bus.
	66~69	SMI ADR(3~0)	O	SDRAM address bus.

CIRCUIT DESCRIPTION

	Pin No.	Pin Name	I/O	Pin Description
	70~73	SMI ADR(10~13)	O	SDRAM address bus.
	74	SMI CS(0)	O	Chip select bank 0.
	75	SMI CS(1)	-	Unused.
	76	SMI RAS	O	SDRAM RAS
	77	SMI CAS	O	SDRAM CAS
	78	SMI WE	O	SDRAM write enable.
	79	SMI DQML	O	DQ MASK enable low.
	80	SMI DQMU	O	DQ MASK enable up.
	82	SMI CLKIN	I	SDRAM clock input.
	84~93	SMI DATA(0~9)	I/O	SDRAM data bus.
	95	SMI CLKOUT	O	SDRAM clock out.
	97~102	SMI DATA(10~15)	I/O	SDRAM data bus.
	Reserved			
*	103	ADC SCLK	I/O	ADC digital audio port clock.
*	104	ADC LRCLK	I/O	ADCsample rate clock.
*	105	ADC DATA	I	ADC digital audio data input.
*	106	ADC PCMCLK	O	Crystal input or master clock input.
	JTAG			
	109	TRST	I	Test reset from emulator module.
	110	TMS	I	Test mode select.
	111	TDO	O	Test data out to emulator module.
	112	TDI	I	Test data input from emulator module.
	113	TCK	I	Test clock input from emulator module.
	Timers			
	114	PWM2	I/O	Unused.
	115	PWM1	I/O	ROM boot option port (voltage low = emulator booting).
	116	PWM0	I/O	Unused.
	EMI Interface			
	117	CPU OE	I/O	Flash ROM output enable
	118	CPU PRO CLK	O	SDRAM clock (unused).
	Clock & Reset			
	120	PIX CLK	I	27MHz main clock input.
	122	VDD PLL	-	Supply voltage for PLL (+3V3).
	123	VSS PLL	-	Ground for PLL.
	124	RESET	I	Chip reset input.
	Interrupt			
	125	IRQ(2)	I	Interrupt request 2 from front-end module.
	126	IRQ(1)	I	Unused.
	127	IRQ(0)	I	Unused.
	EMI Interface			
	128	CPU BE(0)	O	BYTE 0 Enable
	129	CPU BE(1)	O	BYTE 1 Enable
	130	CPU RW	O	Unused.
	131	CPU WAIT	I	Wait state (connected to ground).
	132	CPU CE(3)	O	Flash ROM chip select.
	133	CPU CE(2)	O	Flash ROM down-load JIG module select.
	134	CPU CE(1)	O	Unused
	135	CPU CE(0)	O	Unused.
	138	CPU RAS1	I/O	Unused.
	139	CPU CAS0	O	Unused.
	140	CPU CAS1	O	Unused.
	141~148	CPU DATA(0~7)	I/O	Flash ROM data input/output (0~7).
	151~158	CPU DATA(8~15)	I/O	Flash ROM data input/output (8~15).
	161~170	CPU ADR(1~10)	O	Flash ROM address (1~10).
	173~183	CPU ADR(11~21)	O	Flash ROM address (11~21).

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Pin Description
PIOs and communication			
186	PIO0(0) T STROBE	I/O	UART0 data
187	PIO0(1) MOD SW	I/O	ATAPI RD
188	PIO0(2)	O	Unused.
189	PIO0(3)	O	Unused.
190	PIO0(4)	O	Unused.
191	PIO0(5)	I	Unused.
192	PIO0(6) SLIDER SENSOR OPEN/CLOSE (DRAWER POSITION)	I/O	Detection port of slider sensor for DVD mechanism.
193	PIO0(7) SLIDER IN (DRAWER CCW/CTRL)	I/O	Control port of slider (IN) for DVD mechanism.
194	PIO1(0) SDA	I/O	SSC0 data (MTSR out / MRST in)
195	PIO1(1) SCL	I/O	SSC0 clock
196	PIO1(2) SLIDER OUT (DRAWER CW CTRL)	I/O	Control port of slider (OUT) for DVD mechanism.
197	PIO1(3) TXD(JIG)	I/O	UART2 TXD
200	PIO1(4) RXD(JIG)	I/O	UART2 RXD
201	PIO1(5) FRONT TXDI	I/O	UART1 TXD
202	TRIGGER IN	I/O	Trigger input from JIG.
203	TRIGGER OUT	I/O	Trigger output from JIG.
204	PIO2(0) H/P	-	Unused.
205	PIO2(1) FRONT RXD	I/O	UART1 RXD
206	PIO2(2)	I	Unused.
207	PIO2(3)	-	Unused.
208	PIO2(4) AUDIO MUTE	O	Audio mute control.
Power supply			
4,47,81,107 136,159,184	VDD3 3	-	3.3V Power supply.
14,37,64,94 119,149,171 198	VDD2 5	-	2.5V Power supply.
5,15,38,50,65 83,96,108,121 137,150,160 172,185,199	VSS	-	GND

∗ M Type only

2. Pin Description of System Microcomputer : CXP82860(Microprocessor IC51)

Pin No.	Pin Name	I/O	Description
1	GRID2	O	FIP Grid output.
2	GRID1	O	FIP Grid output.
3	NC	-	Connected to VDD.
4	POWER DOWN	I	Power down check.
5	RDS CLK	I	RDS clock input.
6	DVD RX	I	DVD UART interface (RX).
7	RDS OPTION	-	Unused.
8	RMC	I	Remote controller signal input.
9	RDS DATA	I	RDS data input.
10	SM7346 CLK	O	Volume IC (IC11) clock output.
11	SM7346 DATA	O	Volume IC (IC11) data output.
12	ENCODER UP	I	Encoder (1) signal input.
13	ENCODER DW	I	Encoder (2) signal input.
14	DVD TX	O	DVD UARTinterface (TX).
15	DVD RST	O	DVD reset signal output.

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description
16	DSP A. BOOST	O	DSP auto boot.
17	H/P CHK	I	Detection pin of headphones jack.
18	CS8415A-CE	O	DIR IC (IC39) chip enable.
19	EMPHASIS	O	CS4228 DAC IC emphasis ON/OFF
20	TUNED	I	Tuned signal input for tuner.
21	DSP INTREQ	O	DSP INT request.
22	4094CE	O	4049 (IC81)chip enable.
23	CS49326 CE	O	CS49326 DSP IC (IC33) chip enable.
24	CS4228 CE	O	CS4228 DAC IC (IC31) chip enable.
25	DSP CLK	O	CS49326 DSP IC (IC33) clock output.
26	CS49326 DATA IN	I	CS49326 DSP IC (IC33) data input.
27	DSP DA OUT	O	CS49326 DSP IC (IC33) data output.
28	VREF	I	A/D reference voltage input.
29	PROTECT	I	AMP protection input.
30	KEY IN	I	A/D key input.
31	EEPROM DATA	I/O	EEPROM (IC52) data output.
32	KEY2 IN	I	A/D key input.
33	8415 DA IN	I	CS8415 DIR IC (IC39) data input.
34	DVD OPTION	I	Setting pin for the destination.
35	PLL DATA IN	I	PLL data input.
36	STEP OPTION	I	Setting pin for tuner destination.
37	VSS(G)	I	Analog ground.
38	RST	I	Reset signal input.
39	EXTAL	I	Crystal resonator (10MHz) connection.
40	XTAL	O	Crystal resonator (10MHz) connection.
41	GND	-	Digital ground.
42	NC	O	Unused.
43	GND	-	GND
44	VDD	I	Digital ground.
45	VFDP	I	Power supply for VFDP.
46	STANDBY	O	Control pin for power relay on/off.
47	SPK RELAY	O	Control pin for speaker relay on/off.
48	SUB ON/OFF	O	Gain control for sub woofer.
49	CS8415 RST	O	CS8415 (IC39) reset signal output.
50	PLL CE	O	PLL chip enable.
51	PLL CLK	O	PLL clock output.
52	PLL D OUT	O	PLL data output.
53	A CLK	O	Common clock (LC7821,BU4094) output.
54	A DATA	O	Common data (LC7821,BU4094) output.
55	EEPROM CLK	O	EEPROM (IC52) clock output.
56~59	VIDEO (SW1~SW4)	O	Control pin for video.
60	4228 RST	O	CS4228 (IC31) reset signal output.
61	LC7821 CE	O	LC7821(tuner pack) chip enable.
62	SM7346 CE	O	Volume IC (Main IC11) chip enable.
63	T MUTE	O	Tuner mute control.
64	S MUTE	O	Mute control pin for surround signal
65	C MUTE	O	Mute control pin for center signal.
66	F MUTE	O	Mute control pin for front signal.
67	W MUTE	O	Mute control pin for sub woofer signal.
68	CS49326 RST	O	CS49326 DSP IC (IC5) reset signal output.
69~71	DSP (A15~A17)	O	DSP ROM address (SEL 1~3).
72~88	SEG (1~17)	O	FIP segment output.
89	VDD	-	Digital power supply.
90,91	SEG18,19	O	FIP segment output.
92-100	GRID (11~3)	O	FIP Grid output.

CIRCUIT DESCRIPTION

3. Pin Description of IC's

3-1 64 Bit SDRAM : HY57V641620HGT (DVD Part IC63)

Pin No.	Pin Name	I/O	Description
38	CLK	I	The system clock input. all other inputs are registered to the SDRAM on the rising edge of CLK.
37	CKE	-	Controls internal clock signal and when deactivated, the SDRAM will be one of the states among power down, suspend or self refresh.
19	CS	-	Enables or disables all inputs except CLK, CKE, and DQM.
20,21	BA0,BA1	-	Selects bank to be activated during RAS activity. Selects bank to be read/written during CAS activity.
22~26 29~35	A0~A11	-	Row address : RA0~RA11, Column address : CA0~CA7 Auto-precharge flag : A10
16,17,18	WE,CAS,RAS	-	WE, CAS and RAS define the operation.
15,39	LDQM,UDQM	I/O	Controls output buffers in read mode and masks input data in write mode.
2,4,5,7,8,10 11,13,42,44 45,47,48,50 51,53	DQ0~DQ15	I/O	Multiplexed data input/output pin.
1,3,9,14,27 43,49	VCC/VCC Q	-	Power supply for internal circuits and input buffers.
6,12,28,41, 46,52,54	VSS/VSS Q	-	Ground terminal.
36,40	NC	-	Unused.

3-2 24-bit, 192kHz Stereo DAC : WM8728 (DVD Part IC64)

Pin No.	Pin Name	I/O	Description
1	LRCIN	I	DAC sample rate clock input : PCM input mode Right channel DSD bitstream input : DSD input mode
2	DIN	I	Serial audio data input : PCM input mode Left channel DSD bitstream input : DSD input mode
3	BCKIN	I	Audio data bit clock input.
4	MCLK	I	Master clock input.
5	ZERO	O	Infinite zero detect flag.
6	DGND	-	Digital ground supply.
7	DVDD	-	Digital positive supply.
8	VOUTR	O	Right channel DAC output.
9	AGND	-	Analog ground supply.
10	AVDD	-	Analog positive supply.
11	VOUTL	O	Left channel DAC output.
12	VMID	O	Mid rail decoupling point.
13	VREFN	-	DAC negative reference.
14	VREFP	-	DAC positive reference.
15	CSBIWL	I	Software mode : 3-wire serial control chip select Hardware mode : Input word length
16	MODE	I	Control mode selection.
17	MUTEB	-	Mute control. "L" = Mute on, "H" = Mute off
18	SDIDEM	-	Software mode : 3 or 2-wire serial control data input Hardware mode : De-Emphasis select
19	SCKDSD	I	Software mode : 3 or 2-wire serial control clock input Hardware mode : DSD bitstream operation select
20	LAT12S	I	Software mode : 3-wire serial control load input Hardware mode : Input data format selection

CIRCUIT DESCRIPTION

3-3 Flash Memory : SST39VF800A904 (DVD Part IC66)

Pin No.	Pin Name	I/O	Description
1~8, 16~25,48	A0~A18	I	Address Inputs
29,31,33,35,38,40 42,44	DQ0~DQ7	I/O	Data Input/Outputs, Command Inputs
30,32,34,36,39,41,43	DQ8~DQ14	I/O	Data Input/Outputs
45	DQ15	I/O	Data Input/Outputs or Address input
26	CE	-	Chip Enable
28	QE	-	Output Enable
11	WE	-	Write Enable
12	RP	-	Reset/Block Temporary Unprotect
15	RY/BY	O	Ready/Busy/Output(Unused)
47	BYTE	-	Byte/Word Organization
37	VCC	-	Supply Voltage
27,46	VSS	-	Ground

3-4 HEX Inverter (Single Stage) : M74HCU04 (DVD Part IC67)

Pin No.	Pin Name	I/O	Pin Description
1,3,5,9, 11,13	A0 to A5	I	Data Inputs
2,4,6,8, 10,12	Q0 to Q5	O	Data Outputs
7	GND	-	Ground
14	VCC	-	Positive Supply Voltage

Truth Table

A	Q
L	H
H	L

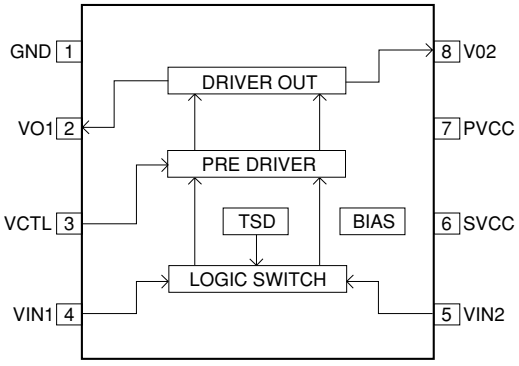
3-5 Video Driver : MM1540AF (DVD Part IC68)

Pin No.	Pin Name	I/O	Description
1,28	VCC1,2	-	VCC
2	VIN	I	Unused
3	YC MIX	-	YC MIX select (GND)
4	CIN	I	Croma input
5	CLP	-	Clamp select (Connected to VCC)
6,9	YIN (1,2)	I	Video input (Composite or Y)
7	MUTE 1	O	Mute select (GND)
8	MUTE 2	O	Mute select
10	GND	-	GND
11,13	CbIN, CrIN	I	Component input
12	Dual/Single	-	Power select (+5V)
14,15,19, 21,22,24	VEE1, VEE2	-	VEE (-5V)
16,18,20, 23,25,27	CrOUT, CbOUT, YOUT2,YOUT1, COUT,VOUT	O	Video output
17,26	PS2,PS1	-	Power save (Connected to GND)

3-6 DC Motor Driver : FAN8082(DVD Part IC69)

Pin No.	Pin Name	I/O	Pin Description
1	GND	-	Ground
2	VO1	O	Output 1
3	VCTL	I	Motor speed control
4	VIN1	I	Input 1
5	VIN2	I	Input 2
6	SVCC	-	Supply voltage (Signal)
7	PVCC	-	Supply voltage (Power)
8	VO2	O	Output 2

Internal Block Diagram



CIRCUIT DESCRIPTION

3-7 Stereo Audio ADC : VM8739 (DVD Part IC70) M Type only

Pin No.	Pin Name	I/O	Pin Description
1	SDIN	I	3-wire MPU data input/2-wire MPU data input.
2	SCLK	I	3-wire MPU clock input/2-wire MPU clock input.
3	XTI/MCLK	I	Crystal input or master clock input (MCLK).
4	XTO	O	Crystal output.
5	DCVDD	-	Digital core VDD.
6	DGND	-	Digital GND.
7	DBVDD	-	Digital buffers VDD.
8	BCLK	I/O	Digital audio port clock.
9,10	DNC	-	Unused.
11	ADCDAT	O	ADC digital audio data output.
12	ADCLRC	I/O	ADC sample rate clock.
13	NC	-	Unused.
14	AVDD	-	Analog VDD.
15	AGND	-	Analog GND.
16	VMID	O	Mid-rail reference decoupling point.
17	R IN	I	Right channel line input (AC coupled).
18	L IN	I	Left channel line input (AC coupled).
19	MODE	I	Control interface selection, pull up (on power up only).
20	CSB	I	3-wire MPU chip select/2-wire MPU interface address selection.

3-8 Volume Control IC: M62446AFP (Main B' D IC11)

Pin No.	Pin Name	I/O	Pin Description
1~4	OUT(4~1)	O	Unused.
5	AVDD	-	Power supply (+7.0V) for analog.
6	SWin	I	Volume input for SW channel.
7,10,12,14	GND(S,C,R,L)	-	Analog ground.
8	SRin	I	Volume input for SR channel.
9	SLin	I	Volume input for SL channel.
11	Cin	I	Volume input for center channel.
13	Rin	I	Tone input for FR channel.
15	Lin	I	Tone input for FL channel.
16,17	BYPASS(R,L)	I	Input pin of the volume input selector when bypass.
18,25	LTRE/RTRE	-	Frequency characteristic setting pin in the tone control (Treble).
19,24,20, 23,21,22	LBASS3/RBASS3 LBASS2/RBASS2 LBASS1/RBASS1	-	Frequency characteristic setting pin in the tone control (Bass).
26,28	CR2/CL2	O	Tone output.
27,29	CR1/CL1	I	Input pin of the main volume.
30	AVSS	-	Power supply (-7.0V) for analog.
31	L OUT	O	Output pin of the main volume.
32	R OUT	O	Output pin of the main volume.
33~36	C/SL/SR/SW(OUT)	O	Output pin of the main volume.
37	AGND	-	Analog ground.
38	DGND	-	Digital ground.
39	LATCH	I	Latch input.
40	DATA	I	Input pin of the serial data.
41	CLK	I	Clock input.
42	DVDD	-	Power supply (+5.0V) for digital.

CIRCUIT DESCRIPTION

3-9 Power Amplifier : LM4766 (Main B' D IC18)

Pin No.	Pin Name	Pin Description
1	FLCH A	Audio FL channel output.
2	FRCH VCC	Power supply (+B) for FR channel.
3	FRCH OUT	Audio FR channel output.
4	VEE	Power supply (-B)
5	FRCH GND	FRch GND
6	FRCH MUTE	Mute control pin of FR channel.
7	FRCH NF	Feed back of FR channel.
8	FRCH IN	Audio FR channel input.
9	NC	Unused.
10	FLCH GND	FLch GND
11	FLCH MUTE	Mute control pin of FL channel.
12	FLCH NF	Feed back of FL channel.
13	FLCH IN	Audio FL channel input.
14	NC	Unused.
15	FLCH VCC	Power supply (+B) for FL channel.

3-10 ADC & DAC : CS4228 (DSP B' D IC31)

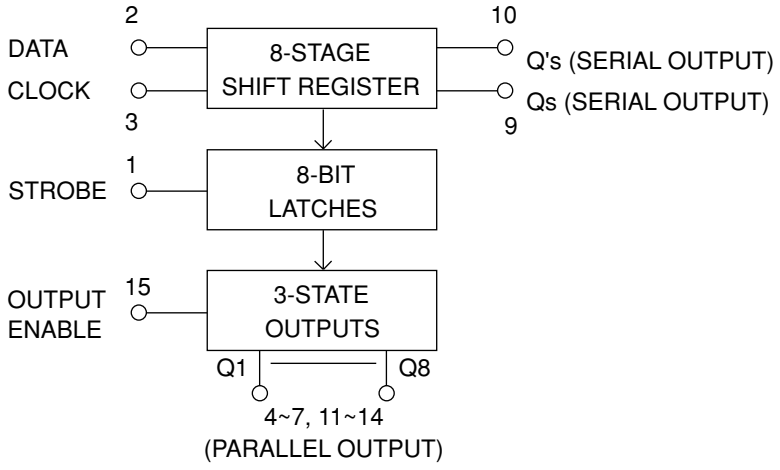
Pin No.	Pin Name	I/O	Pin Description
1~3	SDIN(3~1)	I	Serial data (3~1) input.
4	SDOUT	O	Serial data output.
5	SCLK	I/O	Audio output bit clock.
6	LRCLK	I/O	Audio output sample rate clock.
7	DGND	-	Digital ground.
8,9	VD,VL	-	+3.3V digital power supplies.
10	MCLK	I/O	Audio master clock.
11	SCL/CCLK	I	Serial control interface clock.
12	SDA/CDIN	I	Serial control data input.
13	AD0/CS	I	Address bit / Control port chip select
14	RST	I	Master reset input.
15	MUTEC	-	Unused.
16	AINR+	I	Analog signal input (+) connection for the right channel.
17	AINR-	I	Analog signal input (-) connection for the right channel.
18	FILT	-	PLL loop filter pin.
19	AINL-	I	Analog signal input (-) connection for the left channel.
20	AINL+	I	Analog signal input (+) connection for the left channel.
21	VA	-	+5.0V analog power supply.
22	AGND	-	Analog ground for clock generator PLL.
23~28	AOUT(1~6)	O	The analog outputs from the D/A converters.

CIRCUIT DESCRIPTION

3-11 Digital Audio Decoder : CS493263 (DSP B' D IC33)

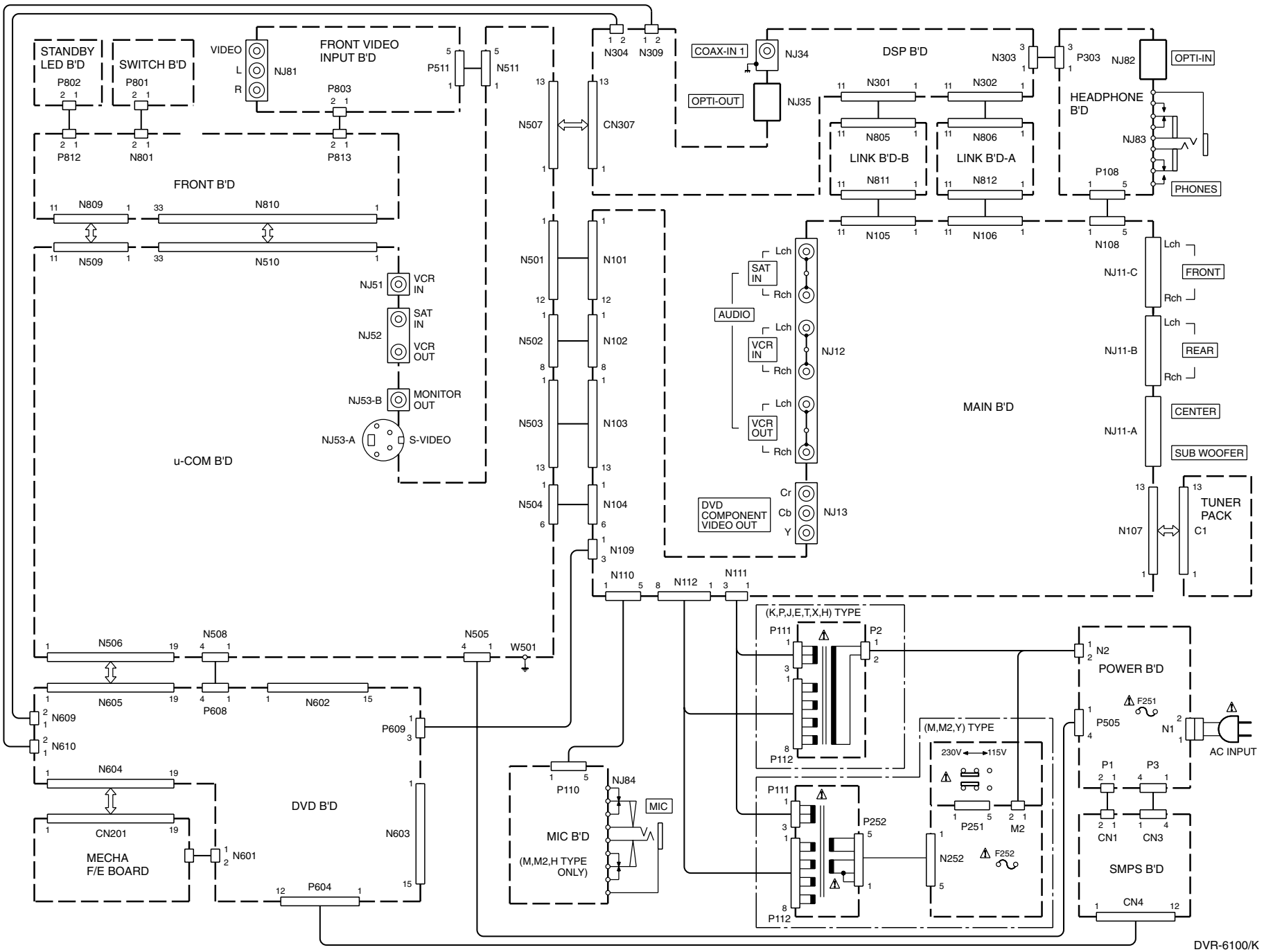
Pin No.	Pin Name	I/O	Pin Description
1,12,23	VDD(1~3)	-	Digital positive supplies.
2,13,24	VSS(1~3)	-	Digital ground.
3	XMT958	0	SPDIF transmitter output (unused).
4	WR,DS	I/O	Host Write Strobe, Host Data Strobe, External Memory Write Enable or General Purpose Input
5	RD,RW	I/O	Host Parallel Output Enable, Host parallel R/W, External Memory Output Enable, General Purpose Input
6	A1, SCDIN	1	Host address bit one or SPI serial control data input.
7	A0, SCCLK	I	Host parallel address bit zero or serial control pin clock.
8~11 14~17	DATA(7~0)	I/O	Data bus (7~0).
18	CS	I	Chip select input.
19	SCDI0,SCDOUT	I/O	Serial control data input and output.
20	INTREQ ABOOT	I/O	Control pin interrupt request, automatic boot enable.
21	EXTMEM	I/O	External memory chip select input/output.
22	SDATAN	I	PCM audio data input.
25	SCLKN	I/O	PCM audio input bit clock.
26	SLRCLKN	I/O	PCM audio input sample rate clock.
27	CMPDAT	I	PCM audio data input.
28	CMPCLK	I/O	PCM audio input bit clock.
29	CMPREQ	I/O	PCM audio input sample rate clock.
30	CLKIN	I	Master clock input.
31	CLKSEL	I	DSP clock select.
32	FLT2	-	Phase locked loop filter.
33	FLT1	-	Phase locked loop filter.
34	VDDA	-	Analog positive power supply for clock generator.
35	VSSA	-	Analog ground for clock generator PLL.
36	RESET	I	Master reset input.
37	DD	I/O	This pin should be pulled up with an external 4.7kΩresistor.
38	DC	I	This pin should be pulled up with an external 4.7kΩresistor.
39	AUDAT2	O	Digital audio output 2.
40	AUDAT1	O	Digital audio output 1.
41	AUDAT0	O	Digital audio output 0.
42	LRCLK	I/O	Audio output sample rate clock.
43	SCLK	I/O	Audio output bit clock.
44	MCLK	I/O	Audio master clock.

4. Block Diagram of Shift Register : BU4094 (Front IC81)



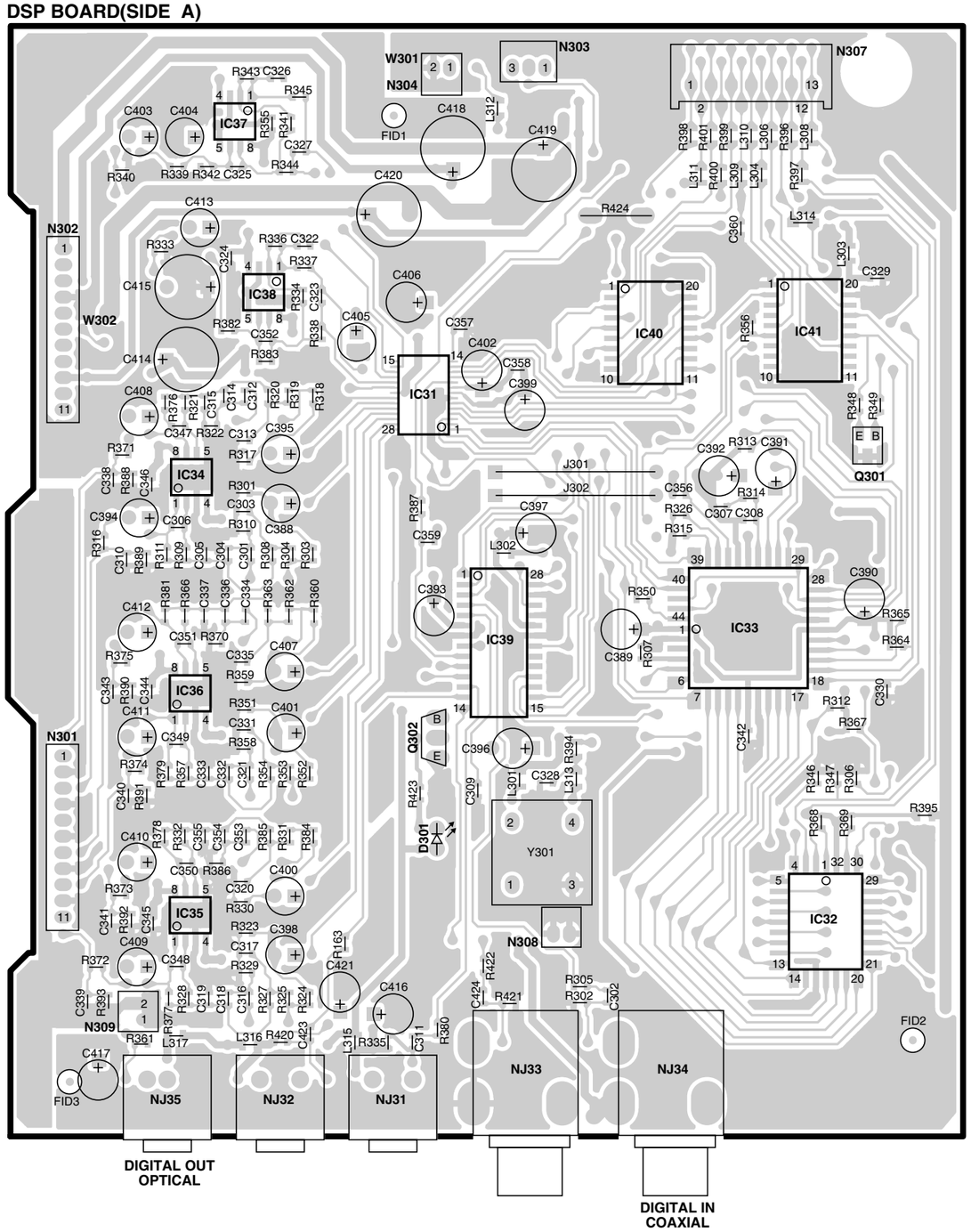
DVR-6100/6100K

WIRING DIAGRAM

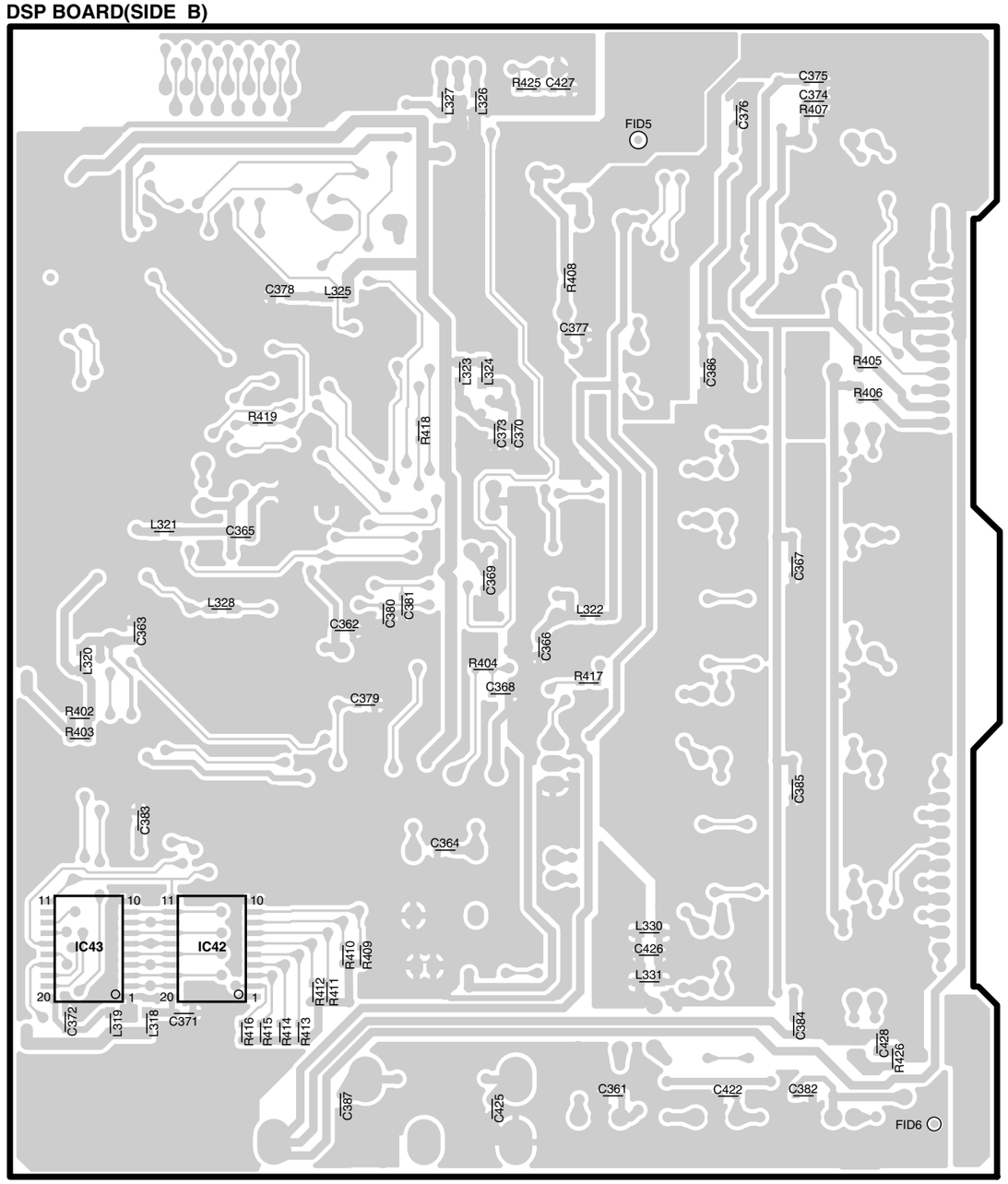


PC BOARD

DSP BOARD(SIDE A)



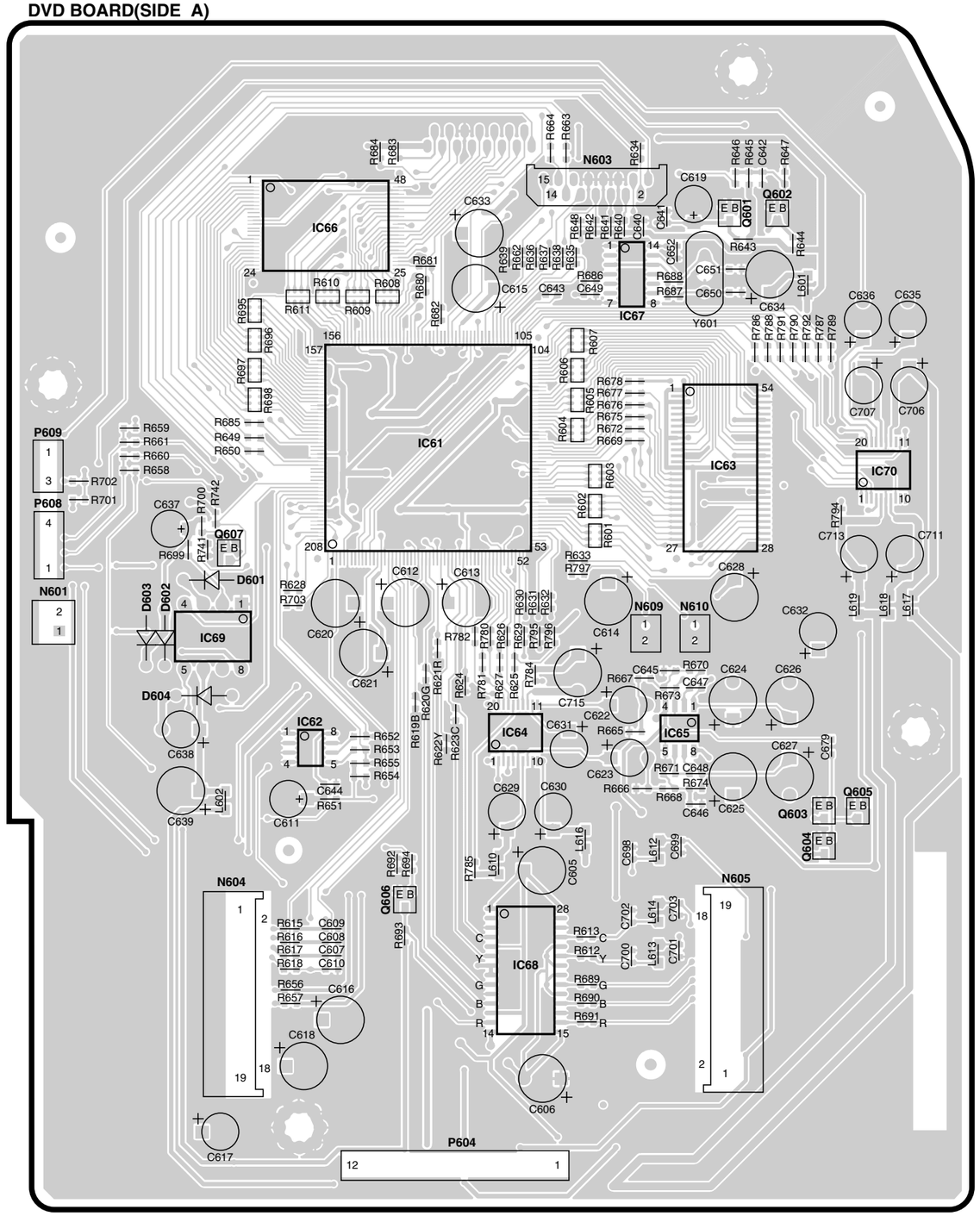
DSP BOARD(SIDE B)



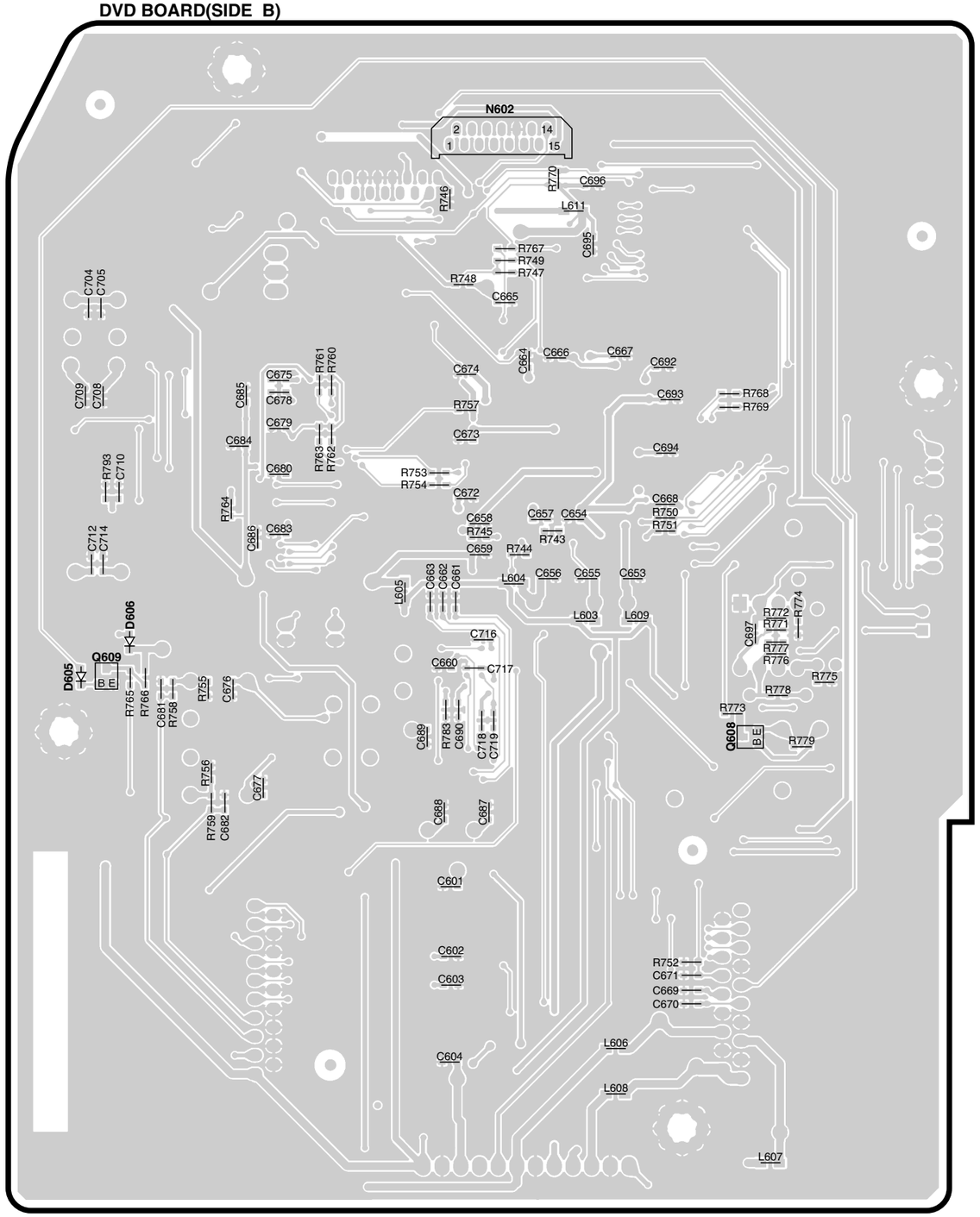
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD

DVD BOARD(SIDE A)

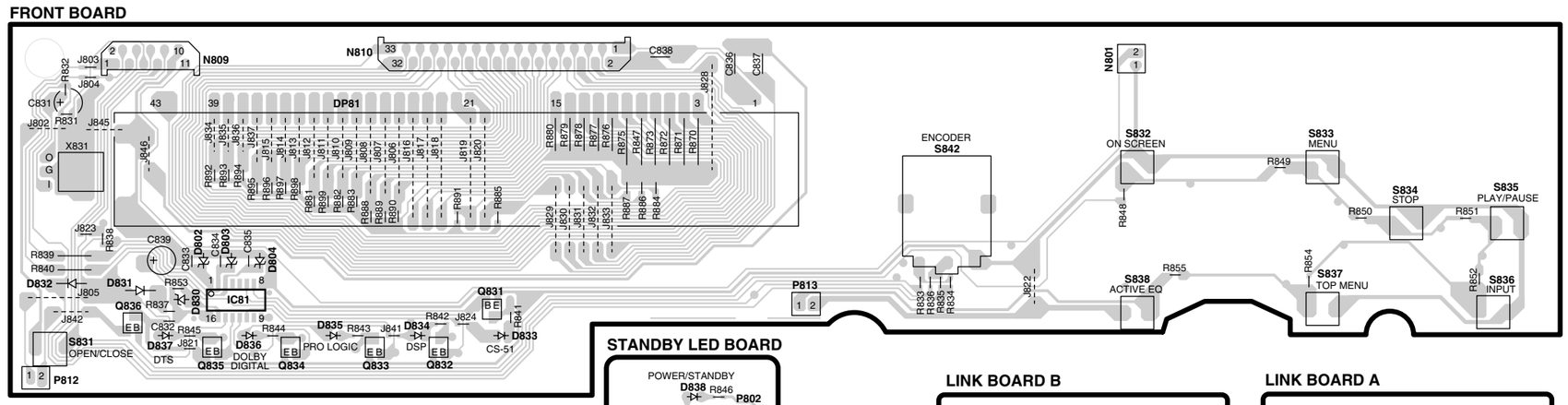


DVD BOARD(SIDE B)



Refer to the schematic diagram for the value of resistors and capacitors.

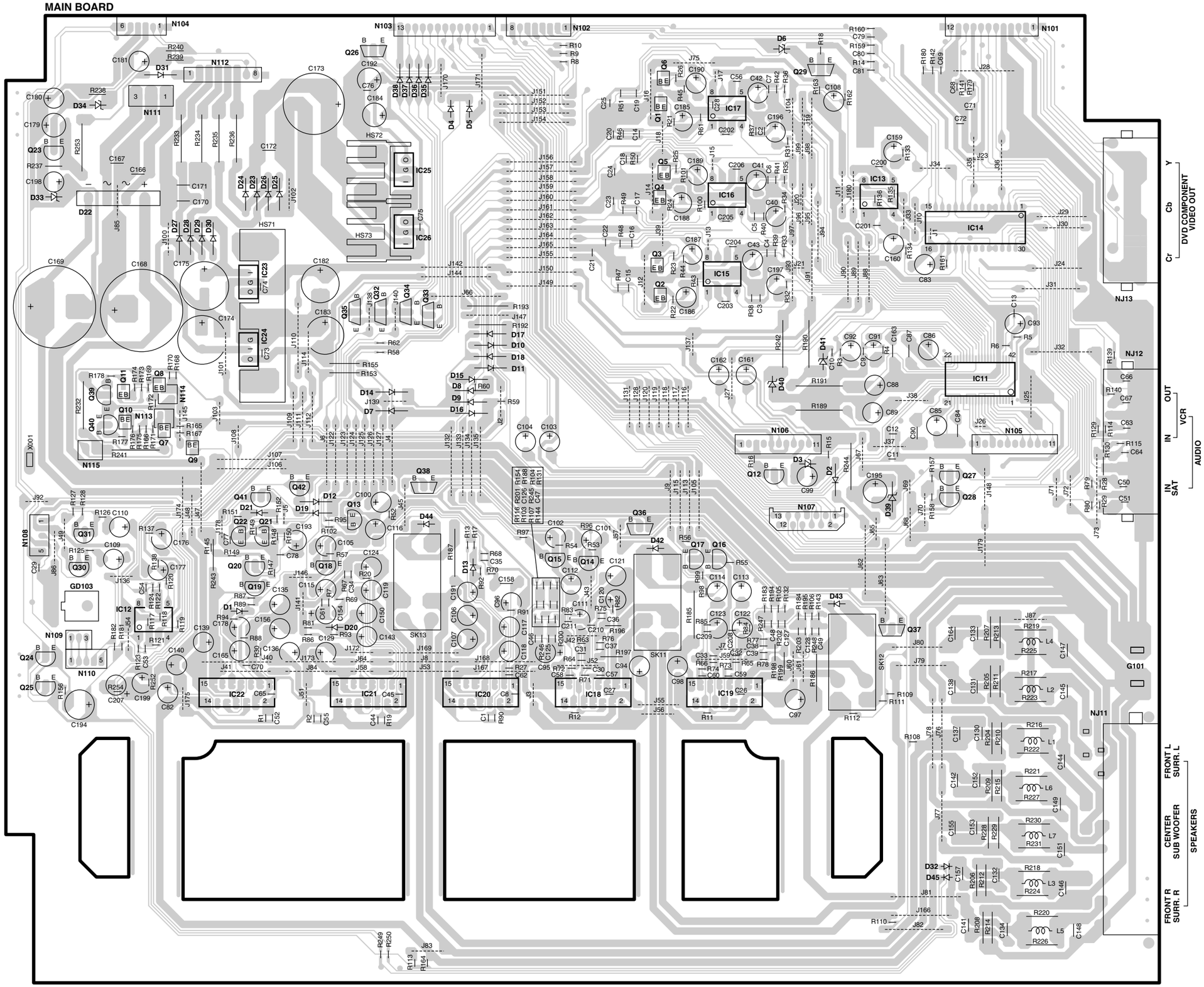
PC BOARD(Component side view)



Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

MAIN BOARD



Refer to the schematic diagram for the value of resistors and capacitors.

DVD B'D

IC66 FLASH MEMORY

IC62 EEP ROM

*IC61
MPEG PROCESSOR

DOWN LOAD JIG

u-COM B'D-N508

BD-3 4/4

MECHA F/E BOARD

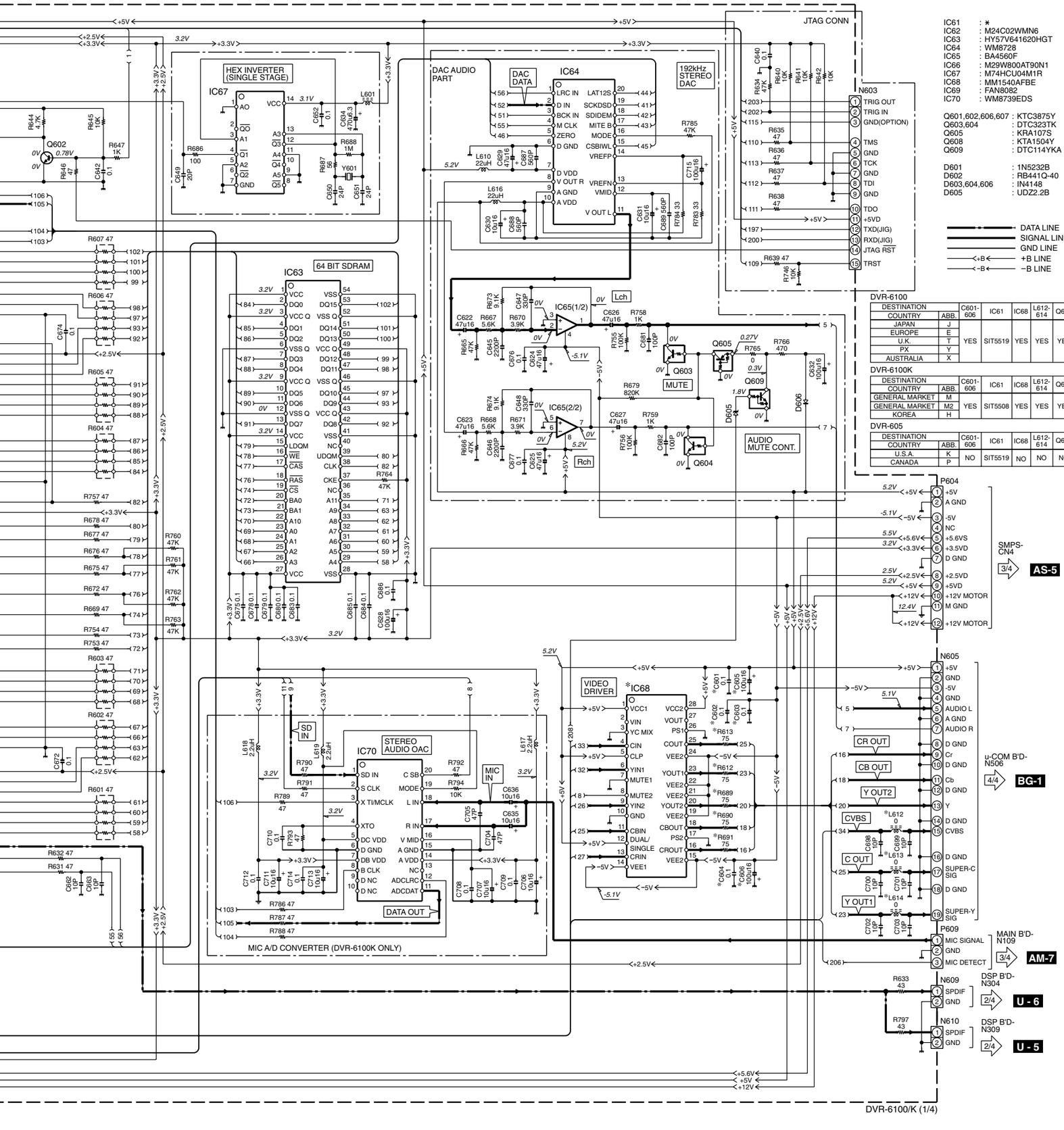
DC MOTOR DRIVE

VIDEO MUTE

OPTION

ADC LRCLK
ADC SCLK
SMI DATA(15)
SMI DATA(14)
SMI DATA(13)
SMI DATA(12)
SMI DATA(11)
SMI DATA(10)
VSS
SMI CLK OUT
VDD2 2.5
SMI DATA(9)
SMI DATA(8)
SMI DATA(7)
SMI DATA(6)
SMI DATA(5)
SMI DATA(4)
SMI DATA(3)
SMI DATA(2)
SMI DATA(1)
SMI DATA(0)
VSS
SMI CLK IN
VDD3 3
SMI DQMU
SMI DQML
SMI WE
SMI CAS
SMI RAS
SMI CS(1)
SMI CS(0)
SMI ADR(13)
SMI ADR(12)
SMI ADR(11)
SMI ADR(10)
SMI ADR(0)
SMI ADR(1)
SMI ADR(2)
SMI ADR(3)
VSS
VDD2 2.5
SMI ADR(9)
SMI ADR(8)
SMI ADR(7)
SMI ADR(6)
SMI ADR(5)
SMI ADR(4)
SPDIF OUT
DAC LRCLK
DAC PCM CLK
DAC PCM OUT2
DAC PCM OUT1

DVD B'D



IC61 : *
IC62 : M24C02WMN6
IC63 : HY57V641620HGT
IC64 : WM8728
IC65 : BA4560F
IC66 : M29W800AT90N1
IC67 : M74HCU04M1R
IC68 : MM1540AFBE
IC69 : FAN8082
IC70 : WM8739EDS

Q601,602,606,607 : KTC3875Y
Q603,604 : DTC323TK
Q605 : KRA107S
Q608 : KTA1504Y
Q609 : DTC114YKA

D601 : 1N5232B
D602 : RB441Q-40
D603,604,606 : IN4148
D605 : UDZ2.2B

DATA LINE
SIGNAL LINE
GND LINE
+B LINE
−B LINE

DVR-6100

DESTINATION	ABB.	C601-606	IC61	IC68	L612-614	Q606	R612,613, 689-694,745	R701, 702
JAPAN	J	YES	SIT5519	YES	YES	YES	YES	NO
EUROPE	E							
U.K.	T							
PX	Y							
AUSTRALIA	X							

DVR-6100K

DESTINATION	ABB.	C601-606	IC61	IC68	L612-614	Q606	R612,613,689-694, 701,702,745
GENERAL MARKET	M	YES	SIT5508	YES	YES	YES	YES
GENERAL MARKET	M2						
KOREA	H						

DVR-605

DESTINATION	ABB.	C601-606	IC61	IC68	L612-614	Q606	R612,613,689-694, 701,702,745
U.S.A.	K	NO	SIT5519	NO	NO	NO	NO
CANADA	P						

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

DVR-6100/6100K

Y39-4482-70

KENWOOD

DSP B'D

IC32

IC33
DIGITAL AUDIO DECODER

IC43 (BOTTOM VIEW)

IC42 (BOTTOM VIEW)

IC31
ADC & DAC

IC34 (1/2) FL

IC34 (2/2) FR

IC35 (1/2) SW

IC35 (2/2) CENTER

IC36 (1/2) SL

IC36 (2/2) SR

IC37 (1/2)

IC37 (2/2)

IC38 (1/2)

IC38 (2/2)

IC39
DIR

IC40

IC41

Y301

OSC

DIGITAL AUDIO OUT 1

DIGITAL AUDIO OUT 0

DIGITAL AUDIO OUT 2

SD OUT

DATA BUS

DATA BUS

COAXIAL IN

SD OUT

OPTI-OUT

SPDF IN

OPT IN

LINKB'D-B-N805 3/4 AF-2

LINK B'D-A-N806 3/4 AE-3

HEADPHONE B'D-P303 4/4 BC-3

u-COM B'D-N507 4/4 BC-3

DVD B'D-N610 1/4 P - 7

DVD B'D-N609 1/4 P - 6

IC31 : CS4228QFP44
IC32 : AT27LV010A90JC
IC33 : CS493263-CL
IC34-38 : KIA4558F
IC39 : CS8415A-CS
IC40,41 : 74VHC244MX
IC42,43 : 74VHC574MX

Q301 : KTA1504Y

DIGITAL LINE
SIGNAL LINE
GND LINE
+B LINE
−B LINE

DVR-6100/K (2/4)

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DVR-6100/6100K

KENWOOD

MAIN B'D

IC11 (BOTTOM VIEW)

IC15-B IC15-A IC16-B IC16-A IC17-B IC17-A

PRE AMPLIFIER

FRONT-L FRONT-R REAR-L REAR-R CENTER SUB-WOOFER

FRONT AMP REAR AMP

IC18 IC19

MUTE

VOLUME CONTROL

IC14 FUNCTION SELECTOR

IC12 HEADPHONE AMP (BOTTOM VIEW)

IC13-A IC13-B BUFFER

CURRENT LIMIT CONTROL

PROTECTION

MUTE CONT.

LINK B'D-B

LINK B'D-A

DSP B'D-N301 AD-2 2/4

DSP B'D-N302 AD-5 2/4

u-COM B'D N501 4/4 BF-1

TUNER PACK

TUNER Lch

SAT IN AUDIO VCR IN VCR OUT DVD COMPONENT VIDEO OUT DVD Lch

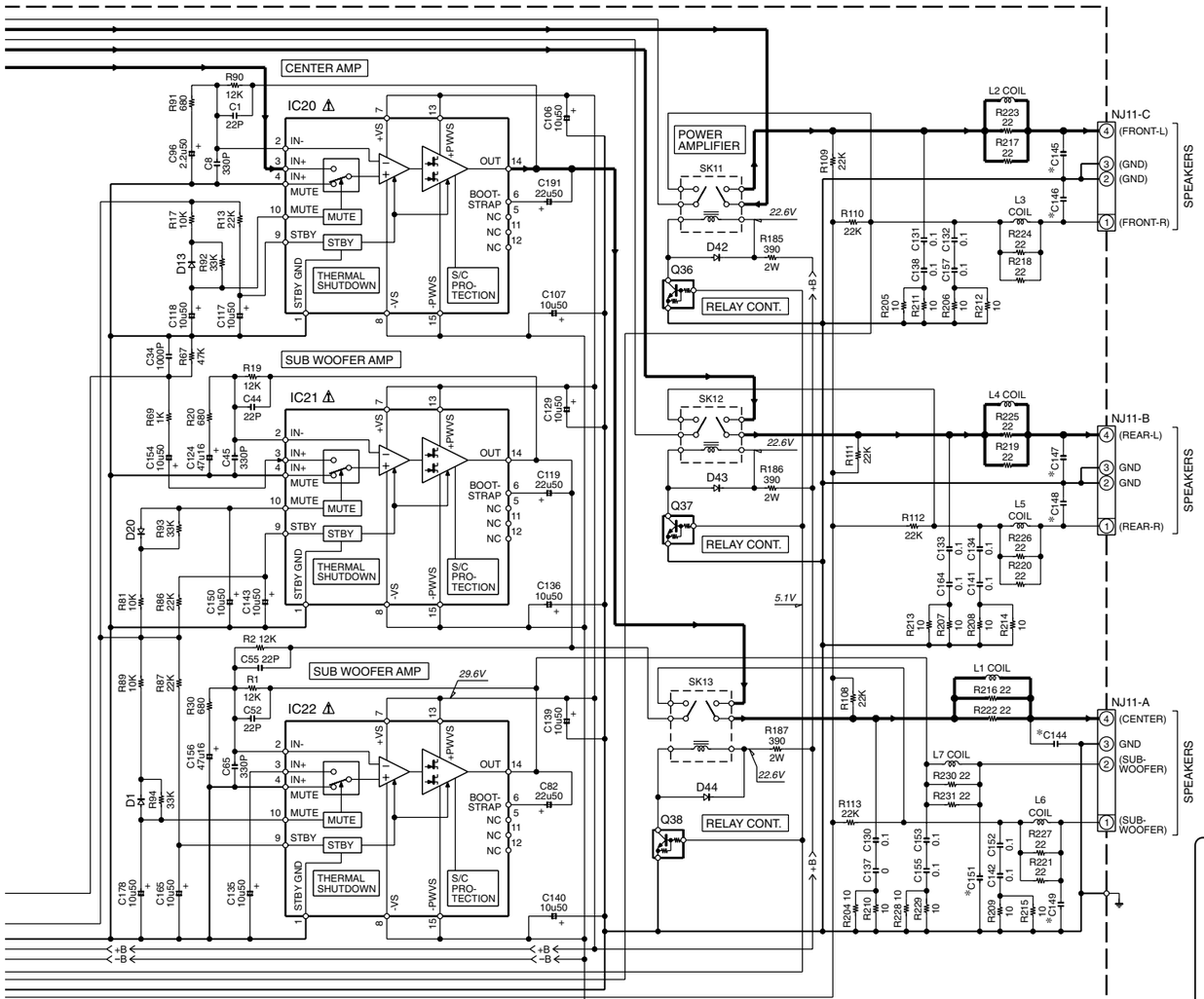
BB-5 4/4 u-COM B'D N503

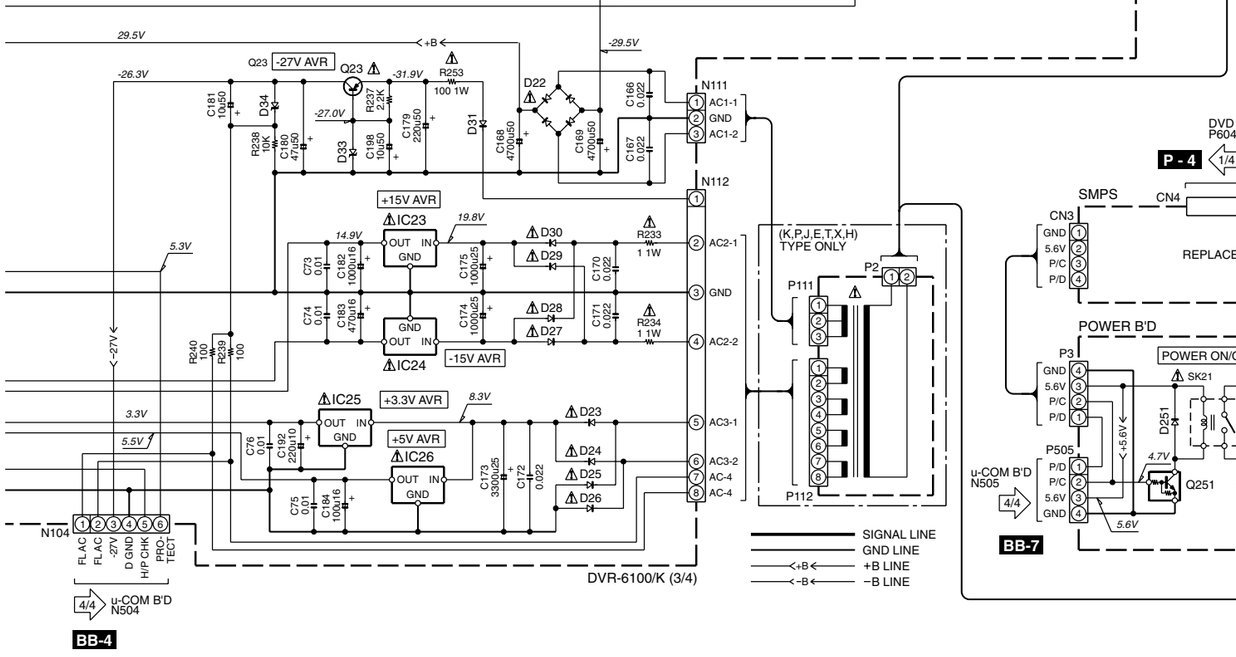
BB-4 4/4 u-COM B'D N502

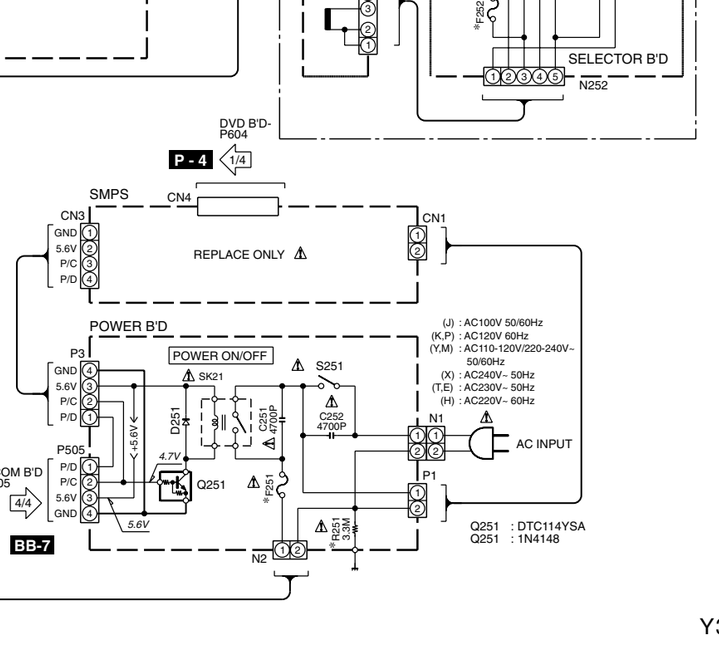
BA-3 4/4 HEADPHONE B'D P108

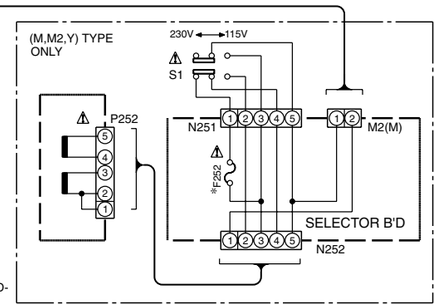
BA-1 4/4 MIC B`D P110

P - 6 1/4 DVD B`D P609









IC11 : M62446AFP
IC12-17 : NJM2068DD
IC14 : LC78211
IC23,26 : KIA7815API
IC24 : KIA7915PI
IC25 : BA033T

Q12,19,20 : KTA1266
Q13-18,27,28,30,31 : KTD1302
Q21 : KTC3200GR
Q22 : KTA1268
Q23 : KTA1023
Q26,33-35 : DTA114YSA
Q36-38 : DTC114YSA
Q41 : 2SC1740S
Q42 : 2SA933S

D1,2,4,5,13,20,21,35-38,42-44 : IN4148
D3 : 1N5230B
D7-12,14-19 : EK03
D22 : BU6-04F
D23-31 : IN4004
D32,45 : 1SS355
D33 : BZX55B30
D34 : 1N5236B
D39 : BZX85C12
D40,41 : 1N5235B

DVR-6100

DESTINATION		C144-149, 151	F251	F252	NJ13	R251
COUNTRY	ABB.					
JAPAN	J	1000P	S2.5A250V	NO	YES	NO
EUROPE	E	4700P	T1.25A250V		NO	
U.K.	T					
PX	Y	1000P	S2.5A250V	S1.25A250V	YES	
AUSTRALIA	X	4700P	T1.25A250V	NO		

DVR-6100K

DESTINATION		C144-149, 151	F251	F252	NJ13	R251
COUNTRY	ABB.					
GENERAL MARKET	M	4700P	T2.5A250V	T1.25A250V	YES	NO
GENERAL MARKET	M2					
KOREA	H		T1.25A250V	NO		

DVR-605

DESTINATION		C144-149, 151	F251	F252	NJ13	R251
COUNTRY	ABB.					
U.S.A.	K	1000P	S2.5A250V	NO	YES	YES
CANADA	P					

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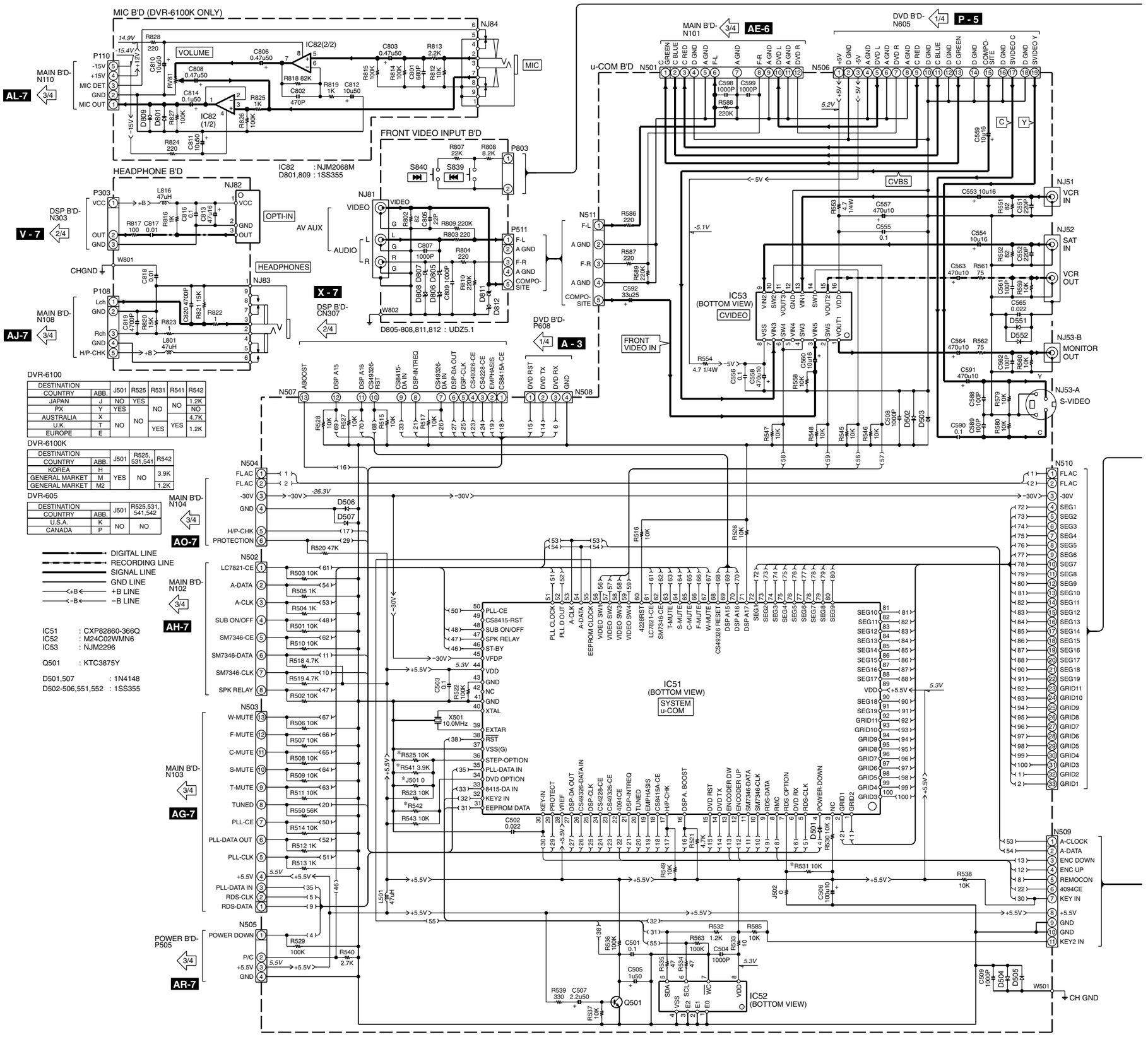
Y39-4482-70

DVR-6100/6100K

KENWOOD



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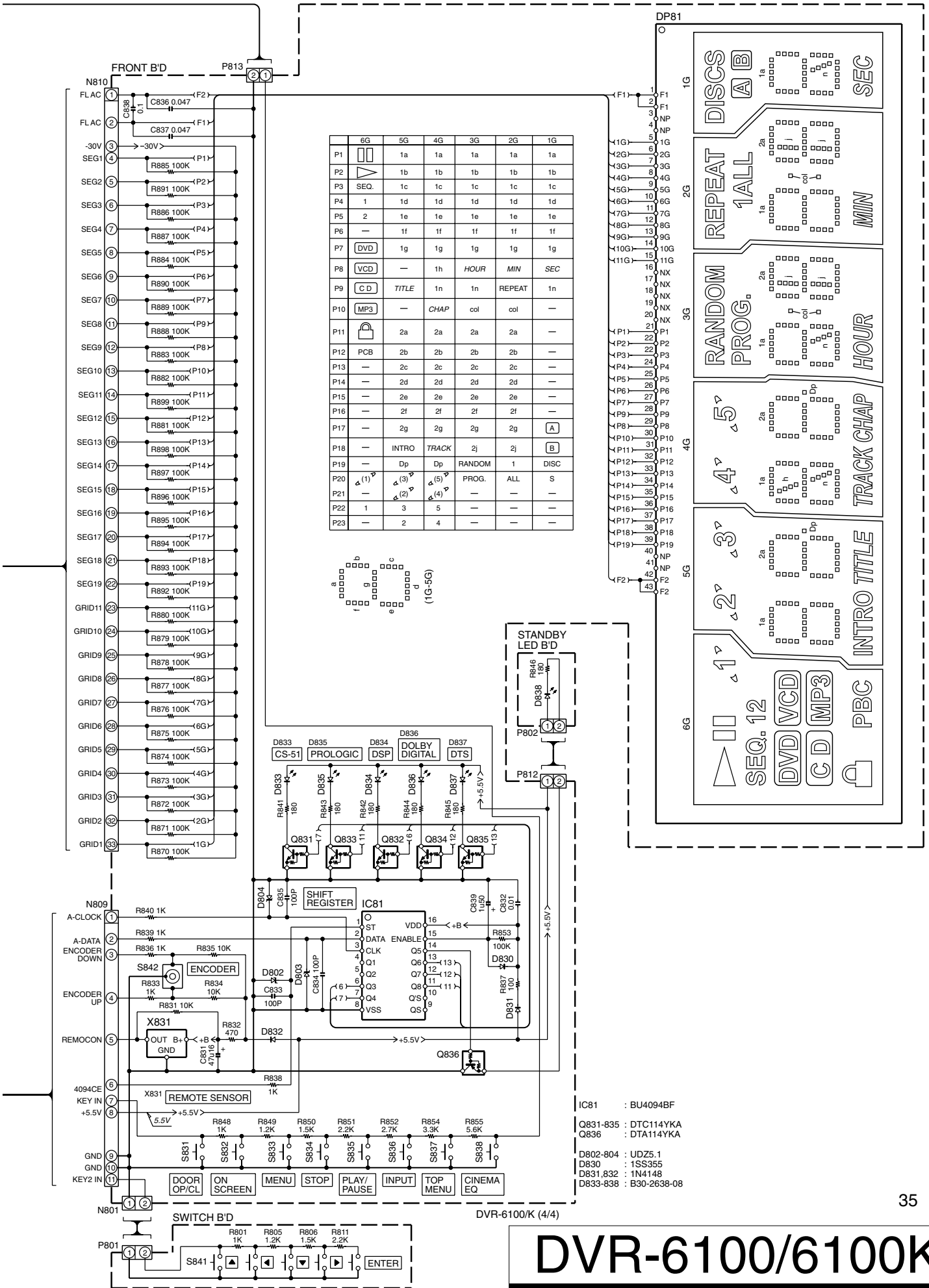
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



	6G	5G	4G	3G	2G	1G
P1	▯▯	1a	1a	1a	1a	1a
P2	▷	1b	1b	1b	1b	1b
P3	SEQ.	1c	1c	1c	1c	1c
P4	1	1d	1d	1d	1d	1d
P5	2	1e	1e	1e	1e	1e
P6	—	1f	1f	1f	1f	1f
P7	DVD	1g	1g	1g	1g	1g
P8	VCD	—	1h	*HOUR*	*MIN*	*SEC*
P9	C D	*TITLE*	1n	1n	REPEAT	1n
P10	MP3	—	*CHAP*	col	col	—
P11	🔒	2a	2a	2a	2a	—
P12	PCB	2b	2b	2b	2b	—
P13	—	2c	2c	2c	2c	—
P14	—	2d	2d	2d	2d	—
P15	—	2e	2e	2e	2e	—
P16	—	2f	2f	2f	2f	—
P17	—	2g	2g	2g	2g	A
P18	—	INTRO	*TRACK*	2j	2j	B
P19	—	Dp	Dp	RANDOM	1	DISC
P20	d (1) p	d (3) p	d (5) p	PROG.	ALL	S
P21	—	d (2) p	d (4) p	—	—	—
P22	1	3	5	—	—	—
P23	—	2	4	—	—	—

(1G-5G)

IC81 : BU4094BF

Q831-835 : DTC114YKA
Q836 : DTA114YKA

D802-804 : UDZ5.1
D830 : 1SS355
D831,832 : 1N4148
D833-838 : B30-2638-08

DVR-6100/K (4/4)

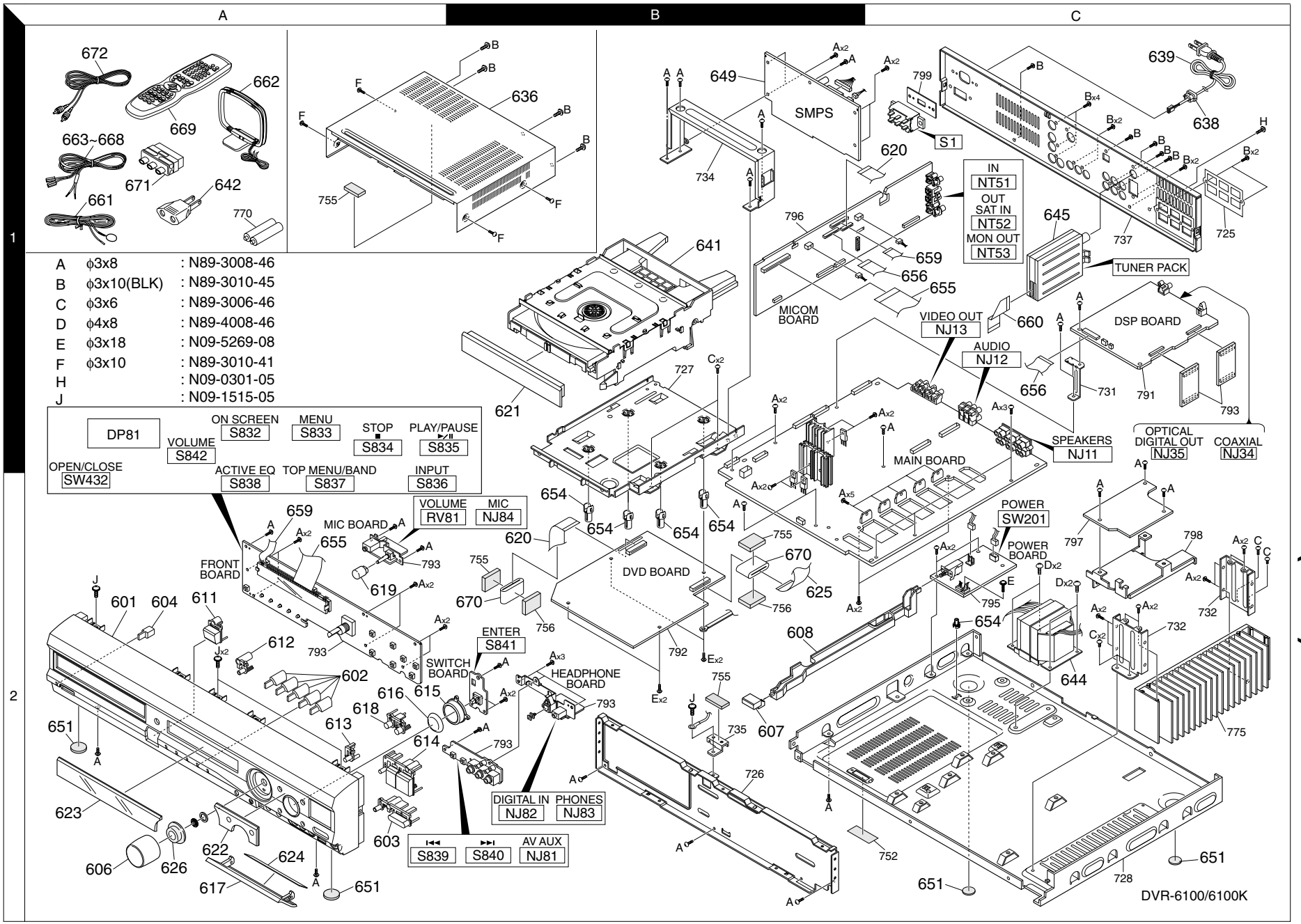
DVR-6100/6100K

Y39-4482-70

KENWOOD

DVR-6100/6100K

EXPLODED VIEW (UNIT)



A	φ3x8	: N89-3008-46
B	φ3x10(BLK)	: N89-3010-45
C	φ3x6	: N89-3006-46
D	φ4x8	: N89-4008-46
E	φ3x18	: N09-5269-08
F	φ3x10	: N89-3010-41
H		: N09-0301-05
J		: N09-1515-05

Parts with exploded numbers larger than 700 are not supplied.

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❶

Ref. No	Address	New Parts	Parts No.	Description		Destination	Remarks
DVR-6100/DVR-6100K							
601	2A	✻	B07-2651-08	DEC CABINET	55316850#1	KP	
601	2A	✻	B07-2652-08	DEC CABINET	55335550	ET	
601	2A	✻	B07-2653-08	DEC CABINET	55351690	YX	
601	2A	✻	B07-2654-08	DEC CABINET	55351700	MM2H	
602	2A	✻	B10-3897-08	MLD INDICATO	55316820#22		
603	2A	✻	K29-8248-08	DEC BUTTON I	55316650#10		
604	2A	✻	B10-3898-08	MLD INDICATO	55316830#26		
606	2A	✻	K29-8249-08	DEC KNOB MAI	55316740#5		
607	2B	✻	K29-8250-08	DEC BUTTON P	55316690#25		
608	2B		D21-2932-08	PLASTIC MLD	55220710#49		
611	2A	✻	K29-8251-08	DEC BUTTON O	55316670#24		
612	2A	✻	K29-8252-08	DEC BUTTON C	55316640#21		
613	2A	✻	K29-8253-08	DEC BUTTON O	55316660#20		
614	2A	✻	K29-8254-08	DEC BUTTON P	55316680#13		
615	2A	✻	B07-2655-08	DEC RING/BUT	55316810#12		
616	2A	✻	K29-8255-08	DEC BUTTON S	55316700#11		
617	2A	✻	B07-2656-08	DEC DOOR FUN	55316720#8		
618	2A	✻	K29-8256-08	DEC BUTTON S	55316710#14		
619	2A	✻	K29-8257-08	DEC KNOB MIC	55316750	MM2H	
620	2B,1C	✻	E35-3452-08	FFC-300M/M 19X	21178300		
621	1B	✻	B07-2657-08	DEC DOOR TRA	55316730#2		
622	2A	✻	B10-3899-08	DEC CRYSTAL	55316770#7		
623	2A	✻	B10-3900-08	DEC CRYSTAL	55316760#4		
624	2A	✻	B07-2658-08	CPL DOOR PLA	55316800#9		
625	2B	✻	E35-3453-08	FFC-80M/M 19X	55181200		
626	2A	✻	G11-2914-08	RAW SHIELD R	55189590#6		
636	1B		A01-3863-08	PUN COVER TO	55220680#56		
638	1C		J42-0350-08	MLD CLAMP AC	55125180#48		
639	1C		E30-2991-08	WIRE-MCRDM	55099250#47	KPY	
639	1C		E30-2992-08	WIRE-MCRDM	55245410	EMM2	
639	1C		E30-2994-08	WIRE-MCRDM	55242730	X	
639	1C		E30-7262-08	WIRE-MCRDM	55174050	T	
639	1C		E30-7280-08	WIRE-MCRDM	55330320	H	
641	1B		D40-1787-08	OK TVM 502 T	10718640#55		
⚠ 642	1A		E03-0115-05	CONN-SPE SMK C	20369220	MM2H	
⚠ 644	2C	✻	L07-3234-08	TF-LAM POWER	55328180	KP	
⚠ 644	2C	✻	L07-3235-08	TF-LAM POWER	55334940	ET	
⚠ 644	2C	✻	L07-3237-08	TF-LAM POWER	55361700	MM2	
⚠ 644	2C	✻	L07-3238-08	TF-LAM POWER	55361710	YX	
⚠ 644	2C	✻	L07-3239-08	TF-LAM POWER	55377310	H	
645	1C	✻	W02-2964-08	EPR TUNER MO	5516112A	KPYH	
645	1C	✻	W02-2965-08	EPR TUNER MO	5516113A	ET	
645	1C	✻	W02-2966-08	EPR TUNER MO	5521783A	X	
645	1C	✻	W02-2967-08	MSA ASY TU M	5523732A	MM2	
⚠ 649	1B		W02-2929-08	MSA ASY SMPS	55161420	KPY	
⚠ 649	1B		W02-2930-08	MSA ASY SMPS	55247010	ETXMM2	
⚠ 649	1B		W02-2930-08	MSA ASY SMPS	55247010	H	
651	2A,2C		J02-1544-08	FOOT CUSHION	55220690#3		
654	2B,2C		J19-6169-08	MLD BRACKET	55164980#54		
655	2A,1C		E35-3273-08	FFC-JUMPER 33X	55164010		
656	1C		E35-3271-08	FFC-JUMPER 13X	55328220		
659	2A,1C		E35-3272-08	FFC-JUMPER 11X	55163980		
660	1C		E35-3271-08	FFC-JUMPER 13X	55163940		

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❷

Ref. No	Address	New Parts	Parts No.	Description		Destination	Remarks
661	1A		T90-0882-08	ANTENNA WIRE	55127470		
662	1A		T90-0896-08	ANTENNA LOOP	55208620		
663	1A		E30-7265-08	WIRE-SP 4M,RD	55236710		
664	1A	✻	E30-7283-08	WIRE-SP 4M,GN	55236730		
665	1A	✻	E30-7284-08	WIRE-SP 8M,BU	55380840		
666	1A	✻	E30-7285-08	WIRE-SP 4.5M,VT	55380850		
667	1A		E30-7269-08	WIRE-SP 8M,GY	55192270		
668	1A	✻	E30-7286-08	WIRE-SP 4M,WH	55380860		
669	1A	✻	A70-1607-08	EPR RCT REMOC	55393340	KP	
669	1A	✻	A70-1608-08	EPR RCT REMOC	55393350	YX	
669	1A	✻	A70-1609-08	EPR RCT REMOC	55393360	ET	
669	1A	✻	A70-1610-08	EPR RCT REMOC	55393370	MM2H	
670	2B		L92-0560-08	FCORE FERRIT	55177290		
671	1A		E69-0012-05	CON SCART + RC	55253610	ET	
672	1A		E30-1427-05	WIRE-CABSP AUDI	55192120		
-		✻	B60-5256-08	BOOK INSTR(GE)	55350090	E	
-		✻	B60-5257-08	BOOK INSTR(NE)	55350190	E	
-		✻	B60-5258-08	BOOK INSTR(FR)	55349990	E	
-		✻	B60-5259-08	BOOK INSTR(IT)	55350290	E	
-		✻	B60-5260-08	BOOK INSTR(ES)	55350390	EH	
-		✻	B60-5261-08	BOOK INSTR(TC)	55350590	M	
-		✻	B60-5262-08	BOOK INSTR(EN)	55349890	KPYTXM	
-		✻	B60-5262-08	BOOK INSTR(EN)	55349890	M2	
-		✻	B60-5263-08	BOOK INSTR(AR)	55350690	M2	
⚠ F251			F05-2525-05	FUSVDETIMELG	20403850	MM2	
⚠ F251			F50-0073-05	FUSULSLWBL 2.5	20828870	KP	
⚠ F251		✻	F50-0208-08	FUSULSLWBL 2.5	55214170	Y	
⚠ F251		✻	F50-0209-08	FUSVDETIMELG	55126850	ETXH	
-			H10-7818-08	MAT-PKG CUSHI	5520874A		
-			H21-1514-08	SHEET EPE RT	55135940		
-			H25-1712-08	CPL BAG RCA	55170650		
-			H25-1715-08	CPL BAG PE C	20715540	KPYEM	
-			H25-1715-08	CPL BAG PE C	20715540	M2H	
-			H25-1730-08	CPL BAG PE 2	20932750	TX	
-			H25-1731-08	CPL BAG POLY	55237020		
-			H25-1732-08	CPL BAG PE 4	55030950		
-		✻	H50-4586-08	CARTON DVR61	55333240	E	
-		✻	H50-4587-08	CARTON DVR61	55351030	T	
-		✻	H50-4588-08	CARTON DVR60	55333230	KP	
-		✻	H50-4590-08	CARTON DVR61	55351190	M	
-			H50-4590-08	CARTON DVR61	55380870	H	
-		✻	H50-4591-08	CARTON DVR61	55351290	M2	
-		✻	H50-4592-08	CARTON DVR61	55351090	X	
-		✻	H50-4593-08	CARTON DVR-6	55350990	Y	
-		✻	H10-7883-08	POLYSTYRENE FOAMED FIXTURE L			
-		✻	H10-7884-08	POLYSTYRENE FOAMED FIXTURE R			
E			N09-5269-08	SCREW-ST 3MM	55127290		
⚠ S1			S62-0113-08	SWISLIDE KW-0	55245440	YMM2	
⚠ IC18,9			LM4766T	IC(AUDIO POWER AMPLIFIER)			
⚠ IC20-2			TDA7294	IC-POWAMP	TDA7294		
POWER SUPPLY							
C251,2			C91-1645-08	CERAMIC	0.0047UF 250VAC		
⚠ R251			R92-1844-05	CARBON	3.3M J 1/2W	KP	

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❸

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
⚠ SK21			S76-0137-08	RELAYPWR 5.0V	55183470			
⚠ S251			S90-0149-08	SWIPUSH POWER	55141570			
D251			1N4148	D-SLP	1N4148			
Q251			DTC114YSA	TR-SLPLF	DTC114YSA			
MAIN PCB								
C001			CC73GCH1H220J	CHIP C	22PF	J		
C002-6			CC73GCH1H330J	CHIP C	33PF	J		
C007			CK73GB1H102K	CHIP C	1000PF	K		
C008			CK73GB1H331J	CHIP C	330PF	J		
C009,10			CK73GB1H102K	CHIP C	1000PF	K		
C011-25			CC73GCH1H101J	CHIP C	100PF	J		
C026-8			CC73GCH1H471J	CHIP C	470PF	J		
C029			CK73GB1C104K	CHIP C	0.10UF	K		
C030-5			CK73GB1H102K	CHIP C	1000PF	K		
C036-9			CC73GCH1H470J	CHIP C	47PF	J		
C040-3			CE04LW1H4R7M	ELECTRO	4.7UF	50WV		
C044			CC73GCH1H220J	CHIP C	22PF	J		
C045			CK73GB1H331J	CHIP C	330PF	J		
C050,1			CC73GCH1H101J	CHIP C	100PF	J		
C052			CC73GCH1H220J	CHIP C	22PF	J		
C053,4			CK73GB1C104K	CHIP C	0.10UF	K		
C055			CC73GCH1H220J	CHIP C	22PF	J		
C056			CC73GCH1H471J	CHIP C	470PF	J		
C057-60			CC73GCH1H470J	CHIP C	47PF	J		
C063,4			CC73GCH1H101J	CHIP C	100PF	J		
C065			CK73GB1H331J	CHIP C	330PF	J		
C066-9			CC73GCH1H101J	CHIP C	100PF	J		
C071,2			CK73GB1H102K	CHIP C	1000PF	K		
C073-8			CK73GB1H103K	CHIP C	0.010UF	K		
C079-81			CC73GCH1H101J	CHIP C	100PF	J		
C082			CE04LW1H220M	ELECTRO	22UF	50WV		
C083			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C084			CQ92M1H153K	MYLAR	0.015UF	K		
C085,6			CE04LW1HR33M	ELECTRO	0.33UF	50WV		
C087			CQ92M1H153K	MYLAR	0.015UF	K		
C088,9			CE04LW1H220M	ELECTRO	22UF	50WV		
C090			CQ92M1H822K	MYLAR	8200PF	K		
C091,2			CE04LW1H3R3M	ELECTRO	3.3UF	50WV		
C094,5			CE04LW2A010M	ELECTRO	1.0UF	100WV		
C096			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C097,8			CE04LW2A010M	ELECTRO	1.0UF	100WV		
C099-107			CE04LW1H100M	ELECTRO	10UF	50WV		
C109,10			CE04LW1C470M	ELECTRO	47UF	16WV		
C111-6			CE04LW1H4R7M	ELECTRO	4.7UF	50WV		
C117,8			CE04LW1H100M	ELECTRO	10UF	50WV		
C119			CE04LW1H220M	ELECTRO	22UF	50WV		
C120-4			CE04LW1C470M	ELECTRO	47UF	16WV		
C129			CE04LW1H100M	ELECTRO	10UF	50WV		
C130-4			CQ92FM1H104K	MYLAR	0.10UF	K		
C135,6			CE04LW1H100M	ELECTRO	10UF	50WV		
C137,8			CQ92FM1H104K	MYLAR	0.10UF	K		
C139,40			CE04LW1H100M	ELECTRO	10UF	50WV		
C141,2			CQ92FM1H104K	MYLAR	0.10UF	K		
C143			CE04LW1H100M	ELECTRO	10UF	50WV		

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❹

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C144-9			CQ92FM1H102K	MYLAR	1000PF	K	KPY	
C144-9			CQ92FM1H472K	MYLAR	4700PF	K	ETXMM2	
C144-9			CQ92FM1H472K	MYLAR	4700PF	K	H	
C150			CE04LW1H100M	ELECTRO	10UF	50WV		
C151			CQ92FM1H102K	MYLAR	1000PF	K	KPY	
C151			CQ92FM1H472K	MYLAR	4700PF	K	ETXMM2	
C151			CQ92FM1H472K	MYLAR	4700PF	K	H	
C152,3			CQ92FM1H104K	MYLAR	0.10UF	K		
C154			CE04LW1H100M	ELECTRO	10UF	50WV		
C155			CQ92FM1H104K	MYLAR	0.10UF	K		
C156			CE04LW1C470M	ELECTRO	47UF	16WV		
C157			CQ92FM1H104K	MYLAR	0.10UF	K		
C158			-	BCL 0.5MM TIN	20330130			
C159-62			CE04LW1H4R7M	ELECTRO	4.7UF	50WV		
C163			CQ92M1H822K	MYLAR	8200PF	K		
C164			CQ92FM1H104K	MYLAR	0.10UF	K		
C165			CE04LW1H100M	ELECTRO	10UF	50WV		
C166,7			CQ92FM1H223K	MYLAR	0.022UF	K		
C168,9			CE04KW1H472M	ELECTRO	4700UF	50WV		
C170-2			CQ92FM1H223K	MYLAR	0.022UF	K		
C173			CE04KW1E332M	ELECTRO	3300UF	25WV		
C174,5			CE04KW1E102M	ELECTRO	1000UF	25WV		
C176,7			CE04LW1H4R7M	ELECTRO	4.7UF	50WV		
C178			CE04LW1H100M	ELECTRO	10UF	50WV		
C179			CE04LW1H221M	ELECTRO	220UF	50WV		
C180			CE04LW1H470M	ELECTRO	47UF	50WV		
C181			CE04LW1H100M	ELECTRO	10UF	50WV		
C182			CE04KW1C102M	ELECTRO	1000UF	16WV		
C183			CE04LW1C470M	ELECTRO	47UF	16WV		
C184			CE04LW1C101M	ELECTRO	100UF	16WV		
C185-9			CE04LW1H4R7M	ELECTRO	4.7UF	50WV		
C190			CE04LW1C470M	ELECTRO	47UF	16WV		
C191			CE04LW1H220M	ELECTRO	22UF	50WV		
C192			CE04LW1A221M	ELECTRO	220UF	10WV		
C193			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C194			CE04LW1A471M	ELECTRO	470UF	10WV		
C195			CE04LW1C101M	ELECTRO	100UF	16WV		
C196,7			CE04LW1H4R7M	ELECTRO	4.7UF	50WV		
C198			CE04LW1H100M	ELECTRO	10UF	50WV		
C199			CE04LW1C470M	ELECTRO	47UF	16WV		
C207			CE04LW1C470M	ELECTRO	47UF	16WV		
C208-11			CK73GB1H331J	CHIP C	330PF	J		
N107			E41-0824-08	CONN 1.25MM 13	55124790			
NJ11			E70-0165-08	CONN-SPE TERMI	55237010			
NJ12			E63-1270-08	CON PHONO SCKT	55203340			
NJ13			E63-1271-08	CON PHONO SCKT	55192000		KPYXM	
NJ13			E63-1271-08	CON PHONO SCKT	55192000		M2H	
L001-7			L39-1624-08	LFA 1MM 10MM 7	21070690			
J001			RK73GB1J000J	CHIP R	0	J 1/16W		
J005			RK73GB1J000J	CHIP R	0	J 1/16W		
J013			RK73GB1J000J	CHIP R	0	J 1/16W		
J015			RK73GB1J000J	CHIP R	0	J 1/16W		
J017			RK73GB1J000J	CHIP R	0	J 1/16W		
J019			RK73GB1J000J	CHIP R	0	J 1/16W		

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❺

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J020,1			RK73GB1J000J	CHIP R	0	J	1/16W		
J023			RK73GB1J000J	CHIP R	0	J	1/16W		
J026			RK73GB1J000J	CHIP R	0	J	1/16W		
R001,2			RK73GB1J123J	CHIP R	12K	J	1/16W		
R003,4			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R005			RK73GB1J751J	CHIP R	750	J	1/16W		
R006			RK73GB1J272J	CHIP R	2.7K	J	1/16W		
R008,9			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R010			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R011,2			RK73GB1J103J	CHIP R	10K	J	1/16W		
R013			RK73GB1J223J	CHIP R	22K	J	1/16W		
R014			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R015			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R016			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R017			RK73GB1J103J	CHIP R	10K	J	1/16W		
R019			RK73GB1J123J	CHIP R	12K	J	1/16W		
R020			RK73GB1J681J	CHIP R	680	J	1/16W		
R028,9			RK73GB1J471J	CHIP R	470	J	1/16W		
R030			RK73GB1J681J	CHIP R	680	J	1/16W		
R031-6			RK73GB1J561J	CHIP R	560	J	1/16W		
R037-42			RK73GB1J104J	CHIP R	100K	J	1/16W		
R043,4			RK73GB1J272J	CHIP R	2.7K	J	1/16W		
R045			RK73GB1J122J	CHIP R	1.2K	J	1/16W		
R046-51			RK73GB1J103J	CHIP R	10K	J	1/16W		
R052-7			RK73GB1J104J	CHIP R	100K	J	1/16W		
R058-60			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R061			RK73GB1J302J	CHIP R	3.0K	J	1/16W		
R062			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R063-8			RK73GB1J473J	CHIP R	47K	J	1/16W		
R069-74			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R075-8			RK73GB1J153J	CHIP R	15K	J	1/16W		
R079,80			RK73GB1J224J	CHIP R	220K	J	1/16W		
R081			RK73GB1J103J	CHIP R	10K	J	1/16W		
R082-5			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R086,7			RK73GB1J223J	CHIP R	22K	J	1/16W		
R089			RK73GB1J103J	CHIP R	10K	J	1/16W		
R090			RK73GB1J123J	CHIP R	12K	J	1/16W		
R091			RK73GB1J681J	CHIP R	680	J	1/16W		
R092-4			RK73GB1J333J	CHIP R	33K	J	1/16W		
R095-9			RK73GB1J332J	CHIP R	3.3K	J	1/16W		
R100,1			RK73GB1J132J	CHIP R	1.3K	J	1/16W		
R102			RK73GB1J332J	CHIP R	3.3K	J	1/16W		
R108-13			RK73GB1J223J	CHIP R	22K	J	1/16W		
R114,5			RK73GB1J471J	CHIP R	470	J	1/16W		
R117,8			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R119,20			RK73GB1J223J	CHIP R	22K	J	1/16W		
R121,2			RK73GB1J682J	CHIP R	6.8K	J	1/16W		
R123,4			RK73GB1J683J	CHIP R	68K	J	1/16W		
R125,6			RK73GB1J121J	CHIP R	120	J	1/16W		
R127,8			RK73GB1J332J	CHIP R	3.3K	J	1/16W		
R129,30			RK73GB1J224J	CHIP R	220K	J	1/16W		
R133,4			RK73GB1J471J	CHIP R	470	J	1/16W		
R135-8			RK73GB1J104J	CHIP R	100K	J	1/16W		
R139-42			RK73GB1J471J	CHIP R	470	J	1/16W		
R145,6			RK73GB1J751J	CHIP R	750	J	1/16W		

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R147			RK73GB1J564J	CHIP R	560K	J	1/16W		
R148			RK73GB1J332J	CHIP R	3.3K	J	1/16W		
R149			RK73GB1J564J	CHIP R	560K	J	1/16W		
R150			RK73GB1J223J	CHIP R	22K	J	1/16W		
R151,2			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R156			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R157,8			RK73GB1J332J	CHIP R	3.3K	J	1/16W		
R159,60			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R161			RK73GB1J104J	CHIP R	100K	J	1/16W		
R179,80			RK73GB1J224J	CHIP R	220K	J	1/16W		
R181,2			RK73GB1J273J	CHIP R	27K	J	1/16W		
R185-7			RS14GB3D391J	FL-PROOF RS	390	J	2W		
R189			RS14GB3A4R7J	FL-PROOF RS	4.7	J	1W		
R190			RS14GB3A271J	FL-PROOF RS	270	J	1W		
R191			RS14GB3A4R7J	FL-PROOF RS	4.7	J	1W		
⚠ R233,4			RS14GB3A1R0J	FL-PROOF RS	1	J	1W		
R235,6			-	BCL 0.5MM TIN	20441260				
R242			RS14GB3A271J	FL-PROOF RS	270	J	1W		
R243			R92-4582-08	METAL PLATE	0.1	J	5W		
R244			RS14GB3A220J	FL-PROOF RS	22	J	1W		
R249,50			RK73GB1J822J	CHIP R	8.2K	J	1/16W		
R252			RK73GB1J473J	CHIP R	47K	J	1/16W		
⚠ R253			RS14GB3A101J	FL-PROOF RS	100	J	1W		
R254			RK73GB1J473J	CHIP R	47K	J	1/16W		
SK11-3			S76-0136-08	RELAYPWR 24.0V	55091520				
D001,2			1N4148	D-SLP	1N4148				
D003			1N5230B	D-ZENER	1N5230B				
D004,5			1N4148	D-SLP	1N4148				
D007-12			EK03	D-SR SCHOTTKY	EK03				
D013			1N4148	D-SLP	1N4148				
D014-9			EK03	D-SR SCHOTTKY	EK03				
D020,1			1N4148	D-SLP	1N4148				
⚠ D022			BU6-04F	D-BRDLC	BU6-04F				
⚠ D023-31			1N4004	D-SR	1N4004				
D032			1SS355	D-SLP	1SS355				
D033			BZX55B30	D-ZENER	BZX55B30				
D034			1N5236B	D-ZENER	1N5236B				
D035-8			1N4148	D-SLP	1N4148				
D039			BZX85C12	D-ZENER	BZX85C12				
D040,1			1N5235B	D-ZENER	1N5235B				
D042-4			1N4148	D-SLP	1N4148				
D045			1SS355	D-SLP	1SS355				
IC011		✻	M62446AFP	IC-LOWFREQ	M62446AFP				
IC012,3			NJM2068DD	IC-OPERAMP	NJM2068DD				
IC014			LC78211	IC-SWITCH	LC78211				
IC015-7			NJM2068DD	IC-OPERAMP	NJM2068DD				
⚠ IC023			KIA7815API	IC-REGPOSFXD	KIA7815API				
⚠ IC024			KIA7915PI	IC-REGNEGFXD	KIA7915PI				
⚠ IC025			BA033T	IC(ANALOGUE IC)	BA033T				
⚠ IC026			KIA7805API	IC(VOLTAGE REGULATOR)					
Q012			KTA1266	TR-SLPLF	KTA1266				
Q013-8			KTD1302	TR-SLPLF	KTD1302				
Q019,20			KTA1266	TR-SLPLF	KTA1266				
Q021			KTC3200GR	TR-SHPLF	KTC3200BL				

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Q022			KTA1268	TR-SLPLF	KTA1268 GR				
⚠ Q023			KTA1023	TR-SLPLF	55211430				
Q026			DTA114YSA	TR-SLPLF	DTA114YSA				
Q027,28			KTD1302	TR-SLPLF	KTD1302				
Q030,31			KTD1302	TR-SLPLF	KTD1302				
Q033-35			DTA114YSA	TR-SLPLF	DTA114YSA				
Q036-8			DTC114YSA	TR-SLPLF	DTC114YSA				
Q041			2SC1740S	TR-SLPLF	2SC1740S				
Q042			2SA933S	TR-SLPLF	2SA933S				
SELECTOR PCB									
⚠ F252		✻	F50-0209-08	FUSVDETIMELG	55126850			MM2	
⚠ F252		✻	F50-0210-08	FUSULSLWBL 1.2	55127150			Y	
FRONT PCB									
C801			CC73GCH1H681J	CHIP C	680PF	J		MM2H	
C802			CC73GCH1H471J	CHIP C	470PF	J		MM2H	
C803			CE04LW1HR47M	ELECTRO	0.47UF	50WV		MM2H	
C805			CC73GCH1H220J	CHIP C	22PF	J			
C806			CE04LW1HR47M	ELECTRO	0.47UF	50WV		MM2H	
C807			CK73GB1H102K	CHIP C	1000PF	K			
C808			CE04LW1HR47M	ELECTRO	0.47UF	50WV		MM2H	
C809			CK73GB1H102K	CHIP C	1000PF	K			
C810-2			CE04LW1C100M	ELECTRO	10UF	16WV		MM2H	
C813			CE04LW1C470M	ELECTRO	47UF	16WV			
C814			CE04LW1HR10M	ELECTRO	0.10UF	50WV		MM2H	
C816			CK73GB1C104K	CHIP C	0.10UF	K			
C817,8			CK45FB1C103K	CERAMIC	0.010UF	K			
C819,20			CK73GB1H472K	CHIP C	4700PF	K			
C831			CE04KW1C470M	ELECTRO	47UF	16WV			
C832			CK73GB1H103K	CHIP C	0.010UF	K			
C833-5			CC73GCH1H101J	CHIP C	100PF	J			
C836,7			CK45FB1H473K	CERAMIC	0.047UF	K			
C838			CK45FB1E103K	CERAMIC	0.010UF	K			
C839			CE04LW1H010M	ELECTRO	1.0UF	50WV			
N809			E41-0823-08	CONN 1.25MM 11	55124780				
N810			E35-3017-08	CONN 1.25MM 33	55129060				
NJ81			E63-1272-08	CON PHONO SCKT	55191980				
NJ83			E11-0957-08	CONN-PHJAC 3.5	55198170				
NJ84			E11-0957-08	CONN-PHJAC 3.5	55198170			MM2H	
L801		✻	L31-0668-08	LF 47U0H +10%	55168840				
L816		✻	L31-0668-08	LF 47U0H +10%	55168840				
J801			RK73GB1J000J	CHIP R	0	J	1/16W		
J803,4			RK73GB1J000J	CHIP R	0	J	1/16W		
J821			RK73GB1J000J	CHIP R	0	J	1/16W		
J823			RK73GB1J000J	CHIP R	0	J	1/16W		
J824			RK73GB1J000J	CHIP R	0	J	1/16W		
J841			RK73GB1J000J	CHIP R	0	J	1/16W		
R801			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R802			RK73GB1J820J	CHIP R	82	J	1/16W		
R803,4			RK73GB1J221J	CHIP R	220	J	1/16W		
R805			RK73GB1J122J	CHIP R	1.2K	J	1/16W		
R806			RK73GB1J152J	CHIP R	1.5K	J	1/16W		
R807			RK73GB1J223J	CHIP R	22K	J	1/16W		
R808			RK73GB1J822J	CHIP R	8.2K	J	1/16W		

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Ref. No	Address	New Parts	Parts No.	Description				Destination	Remarks
R809,10			RK73GB1J224J	CHIP R	220K	J	1/16W		
R811			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R812			RK73GB1J103J	CHIP R	10K	J	1/16W	MM2H	
R813			RK73GB1J222J	CHIP R	2.2K	J	1/16W	MM2H	
R814,5			RK73GB1J104J	CHIP R	100K	J	1/16W	MM2H	
R816			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R817			RK73GB1J101J	CHIP R	100	J	1/16W		
R818			RK73GB1J823J	CHIP R	82K	J	1/16W	MM2H	
R819			RK73GB1J102J	CHIP R	1.0K	J	1/16W	MM2H	
R820,1			RK73GB1J153J	CHIP R	15K	J	1/16W		
R822,3			RK73GB1J010J	CHIP R	1	J	1/16W		
R824			RK73GB1J221J	CHIP R	220	J	1/16W	MM2H	
R825			RK73GB1J102J	CHIP R	1.0K	J	1/16W	MM2H	
R826,7			RK73GB1J104J	CHIP R	100K	J	1/16W	MM2H	
R831			RK73GB1J103J	CHIP R	10K	J	1/16W		
R832			RK73GB1J471J	CHIP R	470	J	1/16W		
R833			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R834,5			RK73GB1J103J	CHIP R	10K	J	1/16W		
R836			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R837			RK73GB1J101J	CHIP R	100	J	1/16W		
R838			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R841-6			RK73GB1J181J	CHIP R	180	J	1/16W		
R848			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R849			RK73GB1J122J	CHIP R	1.2K	J	1/16W		
R850			RK73GB1J152J	CHIP R	1.5K	J	1/16W		
R851			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R852			RK73GB1J272J	CHIP R	2.7K	J	1/16W		
R853			RK73GB1J104J	CHIP R	100K	J	1/16W		
R854			RK73GB1J332J	CHIP R	3.3K	J	1/16W		
R855			RK73GB1J562J	CHIP R	5.6K	J	1/16W		
R881-99			RK73GB1J104J	CHIP R	100K	J	1/16W		
RV81			R32-0105-08	VOLUME RK09K12	55146550			MM2H	
S831-40			S70-0087-08	SWITACT VERTIC	55145270				
S841		✻	S90-0152-08	SWIPUSH VERTIC	55155850				
S842			T99-0668-08	PR-ROT 10K0 OH	55191680				
D801			1SS355	D-SLP	1SS355			MM2H	
D802-8			UDZ5.1	D-ZENER	UDZ 5.1				
D809			1SS355	D-SLP	1SS355			MM2H	
D811,2			UDZ5.1	D-ZENER	UDZ 5.1				
D830			1SS355	D-SLP	1SS355				
D831,2			1N4148	D-SLP	1N4148				
D833-8			B30-2638-08	D-LEM L-7104SR	55192130				
DP81			HNV-11SM18	DISPLAY HNV-11	55161410				
IC81			BU4094BF	IC(8bit SHIFT/STORE REGISTER)					
IC82			NJM2068M	IC-OPERAMP	NJM2068M			MM2H	
Q831-5			DTC114YKA	TR-SSD	DTC114YKA				
Q836			DTA114YKA	TR-SSD	DTA114YKA				
X831			W02-2935-08	IC-REMOTE	55193920				
NJ82		✻	W02-2961-08	IC-OPT	55311530				
MICROPROCESSOR PCB									
C501			CK73GB1C104K	CHIP C	0.10UF	K			
C502			CK73GB1H223K	CHIP C	0.022UF	K			
C503			CK73GB1C104K	CHIP C	0.10UF	K			
C504			CK73GB1H102K	CHIP C	1000PF	K			
C505			CE04LW1H010M	ELECTRO	1.0UF	50WV			

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C506			CE04LW1A101M	ELECTRO	100UF		10WV		
C507			CE04LW1H2R2M	ELECTRO	2.2UF		50WV		
C508,9			CK73GB1H102K	CHIP C	1000PF		K		
C551,2			CC73GCH1H221J	CHIP C	220PF		J		
C553,4			CE04LW1C100M	ELECTRO	10UF		16WV		
C555,6			CK73GB1C104K	CHIP C	0.10UF		K		
C557,8			CE04LW1A471M	ELECTRO	470UF		10WV		
C559,60			CE04LW1C100M	ELECTRO	10UF		16WV		
C561,2			CC73GCH1H101J	CHIP C	100PF		J		
C563,4			CE04LW1A471M	ELECTRO	470UF		10WV		
C565			CK73GB1H223K	CHIP C	0.022UF		K		
C588,9			CC73GCH1H101J	CHIP C	100PF		J		
C590			CK73GB1C104K	CHIP C	0.10UF		K		
C591			CE04LW1A471M	ELECTRO	470UF		10WV		
C592			CE04LW1E330M	ELECTRO	33UF		25WV		
C598,9			CK73GB1H102K	CHIP C	1000PF		K		
N506			E41-0799-08	CONN 1.25MM 19	55129010				
N507			E41-0824-08	CONN 1.25MM 13	55124790				
N509			E41-0823-08	CONN 1.25MM 11	55124780				
N510			E35-3017-08	CONN 1.25MM 33	55129060				
N511			E40-8777-08	CONN 2.0MM 5 M	55123320				
NJ51		✻	E63-1289-08	CON PHONO SCKT	55115040				
NJ52		✻	E63-1290-08	CON PHONO SCKT	55181170				
NJ53			E63-1243-08	CON DIN SCKT M	55149520				
L501		✻	L31-0668-08	LF 47U0H +10%	55168840				
Y501			L77-2355-08	CRESONATOR 10M	55126140				
J501			RK73GB1J000J	CHIP R	0	J	1/16W	YMM2H	
J502			RK73GB1J000J	CHIP R	0	J	1/16W	KPYXM	
J502			RK73GB1J000J	CHIP R	0	J	1/16W	M2H	
J551			RK73GB1J000J	CHIP R	0	J	1/16W	ET	
J593			RK73GB1J000J	CHIP R	0	J	1/16W		
R501,2			RK73GB1J103J	CHIP R	10K	J	1/16W		
R504,5			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R512,3			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R514-7			RK73GB1J103J	CHIP R	10K	J	1/16W		
R518,9			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R520,1			RK73GB1J473J	CHIP R	47K	J	1/16W		
R522			RK73GB1J104J	CHIP R	100K	J	1/16W		
R523			RK73GB1J103J	CHIP R	10K	J	1/16W		
R526-8			RK73GB1J103J	CHIP R	10K	J	1/16W		
R529			RK73GB1J104J	CHIP R	100K	J	1/16W		
R530			RK73GB1J103J	CHIP R	10K	J	1/16W		
R531			RK73GB1J103J	CHIP R	10K	J	1/16W	ET	
R532			RK73GB1J122J	CHIP R	1.2K	J	1/16W		
R533			RK73GB1J100J	CHIP R	10	J	1/16W		
R534,5			RK73GB1J470J	CHIP R	47	J	1/16W		
R536			RK73GB1J104J	CHIP R	100K	J	1/16W		
R537,8			RK73GB1J103J	CHIP R	10K	J	1/16W		
R539			RK73GB1J331J	CHIP R	330	J	1/16W		
R540			RK73GB1J272J	CHIP R	2.7K	J	1/16W		
R541			RK73GB1J392J	CHIP R	3.9K	J	1/16W	ETX	
R542			RK73GB1J122J	CHIP R	1.2K	J	1/16W	ETM2	
R542			RK73GB1J392J	CHIP R	3.9K	J	1/16W	MH	
R542			RK73GB1J472J	CHIP R	4.7K	J	1/16W	X	

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Ref. No	Address	New Parts	Parts No.	Description				Destination	Remarks
R543			RK73GB1J103J	CHIP R	10K	J	1/16W		
R549			RK73GB1J103J	CHIP R	10K	J	1/16W		
R550			RK73GB1J563J	CHIP R	56K	J	1/16W		
R551			RK73GB1J820J	CHIP R	82	J	1/16W		
R552			RK73GB1J820J	CHIP R	82	J	1/16W		
R558-60			RK73GB1J103J	CHIP R	10K	J	1/16W		
R561,2			RK73GB1J750J	CHIP R	75	J	1/16W		
R563			RK73GB1J104J	CHIP R	100K	J	1/16W		
R579,80			RK73GB1J103J	CHIP R	10K	J	1/16W		
R585			RK73GB1J103J	CHIP R	10K	J	1/16W		
R586,687			RK73GB1J221J	CHIP R	220	J	1/16W		
R588,689			RK73GB1J224J	CHIP R	220K	J	1/16W		
D501			1N4148	D-SLP	1N4148				
D502-6			1SS355	D-SLP	1SS355				
D507			1N4148	D-SLP	1N4148				
D551,2			1N4148	D-SLP	1N4148				
IC51		✻	CXP82860-366Q	IC-MICROCONT	CXP82860-366Q				
IC52			M24C02WMN6	IC-EEPROM	M24C02WMN6				
IC53			NJM2296	IC-SWITCH	NJM2296				
Q501			KTC3875Y	TR-SLPSWA	KTC3875Y				
DVD PCB									
C601			CK73GB1C104K	CHIP C	0.10UF		K	M2H	
C601			CK73GB1C104K	CHIP C	0.10UF		K	YETXM	
C602-4			CK73GB1C104K	CHIP C	0.10UF		K	M2H	
C602-4			CK73GB1C104K	CHIP C	0.10UF		K	YETXM	
C605,6			CE04LW1C101M	ELECTRO	100UF		16WV	M2H	
C605,6			CE04LW1C101M	ELECTRO	100UF		16WV	YETXM	
C611			CE04LW1H010M	ELECTRO	1.0UF		50WV		
C612-5			CE04LW1C101M	ELECTRO	100UF		16WV		
C616,7			CE04LW1C470M	ELECTRO	47UF		16WV		
C618			CE04LW1C101M	ELECTRO	100UF		16WV		
C619			CE04LW1H010M	ELECTRO	1.0UF		50WV		
C620			CE04LW1C101M	ELECTRO	100UF		16WV		
C621			CE04LW0J471M	ELECTRO	470UF		6.3WV		
C622-7			CE04LW1C470M	ELECTRO	47UF		16WV		
C628			CE04LW1C101M	ELECTRO	100UF		16WV		
C629			CE04LW1C470M	ELECTRO	47UF		16WV		
C630			CE04LW0J471M	ELECTRO	470UF		6.3WV		
C631			CE04LW1C100M	ELECTRO	10UF		16WV		
C632,3			CE04LW1C101M	ELECTRO	100UF		16WV		
C634			CE04LW0J471M	ELECTRO	470UF		6.3WV		
C635,6			CE04LW1C100M	ELECTRO	10UF		16WV	MM2H	
C637			CE04LW1H010M	ELECTRO	1.0UF		50WV		
C638			CE04LW1C100M	ELECTRO	10UF		16WV		
C639			CE04LW1C101M	ELECTRO	100UF		16WV		
C640			CK73GB1C104K	CHIP C	0.10UF		K		
C641			CK73GB1H471K	CHIP C	470PF		K		
C642-4			CK73GB1C104K	CHIP C	0.10UF		K		
C645,6			CK73GB1H222K	CHIP C	2200PF		K		
C647,8			CK73GB1H331K	CHIP C	330PF		K		
C649			CC73GCH1H200J	CHIP C	20PF		J		
C650,1			CC73GCH1H240J	CHIP C	24PF		J		
C652-4			CK73GB1C104K	CHIP C	0.10UF		K		
C655,6			CK73GB1H103K	CHIP C	0.010UF		K		

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C657,8			CK73GB1C104K	CHIP C	0.10UF		K		
C659			CK73GB1H103K	CHIP C	0.010UF		K		
C660-3			CC73GCH1H100D	CHIP C	10PF		D		
C664			CK73GB1C104K	CHIP C	0.10UF		K		
C665			CK73GB1H103K	CHIP C	0.010UF		K		
C666-8			CK73GB1C104K	CHIP C	0.10UF		K		
C669,70			CC73GCH1H680J	CHIP C	68PF		J		
C671-80			CK73GB1C104K	CHIP C	0.10UF		K		
C681,2			CC73GCH1H101J	CHIP C	100PF		J		
C683-6			CK73GB1C104K	CHIP C	0.10UF		K		
C687-9			CK73GB1H561K	CHIP C	560PF		K		
C690			CC73GCH1H100D	CHIP C	10PF		D		
C692-4			CK73GB1C104K	CHIP C	0.10UF		K		
C695,6			CK73GB1H104K	CHIP C	0.10UF		K		
C697			CK73GB1C104K	CHIP C	0.10UF		K		
C698-703			CC73GCH1H100D	CHIP C	10PF		D		
C704,5			CC73GCH1H470J	CHIP C	47PF		J	MM2H	
C706,7			CE04LW1C100M	ELECTRO	10UF		16WV	MM2H	
C708-10			CK73GB1C104K	CHIP C	0.10UF		K	MM2H	
C711			CE04LW1C100M	ELECTRO	10UF		16WV	MM2H	
C712			CK73GB1C104K	CHIP C	0.10UF		K	MM2H	
C713			CE04LW1C100M	ELECTRO	10UF		16WV	MM2H	
C714			CK73GB1C104K	CHIP C	0.10UF		K	MM2H	
C715			CE04LW1C101M	ELECTRO	100UF		16WV		
C716-9			CC73GCH1H100D	CHIP C	10PF		D		
N601			E40-8771-08	CONN 2.5MM 02	55164790				
N602,3			E35-3010-08	CONN 1.0MM 15	55125910				
N604,5			E41-0800-08	CONN 1.25MM 19	55124760				
L601			L32-1047-08	FBEAD SURFACE	55126670				
L602			L32-1049-08	LF-SMD 22U0H +	14039360				
L603-5			L32-1046-08	LF-SMD 2U2H +1	14041740				
L606,7			L32-1047-08	FBEAD SURFACE	55126670				
L608			L32-1047-08	FBEAD SURFACE	55126670				
L609			L32-1046-08	LF-SMD 2U2H +1	14041740				
L610			L32-1049-08	LF-SMD 22U0H +	14039360				
L611			L32-1047-08	FBEAD SURFACE	55126670				
L616			L32-1049-08	LF-SMD 22U0H +	14039360				
L617			L32-1046-08	LF-SMD 2U2H +1	14041740			MM2H	
L618,9			L32-1046-08	LF-SMD 2U2H +1	14041740			MM2H	
Y601			L77-2326-08	FILQZ 27M0 HZ	55128980				
L612-4			RK73GB1J000J	CHIP R	0	J	1/16W	M2H	
L612-4			RK73GB1J000J	CHIP R	0	J	1/16W	YETXM	
R601-11			R90-1333-08	LADDER R	47				
R612,3			RK73GB1J750J	CHIP R	75	J	1/16W	M2H	
R612,3			RK73GB1J750J	CHIP R	75	J	1/16W	YETXM	
R615-8			RK73GB1J470J	CHIP R	47	J	1/16W		
R619-24			RK73GB1J331J	CHIP R	330	J	1/16W		
R625-32			RK73GB1J470J	CHIP R	47	J	1/16W		
R633			RK73GB1J430J	CHIP R	43	J	1/16W		
R634-9			RK73GB1J473J	CHIP R	47K	J	1/16W		
R640-2			RK73GB1J103J	CHIP R	10K	J	1/16W		
R643,4			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R645			RK73GB1J103J	CHIP R	10K	J	1/16W		
R646			RK73GB1J470J	CHIP R	47	J	1/16W		
R647			RK73GB1J102J	CHIP R	1.0K	J	1/16W		

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R648			RK73GB1J103J	CHIP R	10K	J	1/16W		
R649,50			RK73GB1J470J	CHIP R	47	J	1/16W		
R651			RK73GB1J100J	CHIP R	10	J	1/16W		
R652,3			RK73GB1J470J	CHIP R	47	J	1/16W		
R654,5			RK73GB1J182J	CHIP R	1.8K	J	1/16W		
R656,7			RK73GB1J101J	CHIP R	100	J	1/16W		
R658,9			RK73GB1J103J	CHIP R	10K	J	1/16W		
R660,1			RK73GB1J470J	CHIP R	47	J	1/16W		
R662			RK73GB1J103J	CHIP R	10K	J	1/16W		
R663,4			RK73GB1J470J	CHIP R	47	J	1/16W		
R665,6			RK73GB1J473J	CHIP R	47K	J	1/16W		
R667,8			RK73GB1J562J	CHIP R	5.6K	J	1/16W		
R669			RK73GB1J470J	CHIP R	47	J	1/16W		
R670,1			RK73GB1J392J	CHIP R	3.9K	J	1/16W		
R672			RK73GB1J470J	CHIP R	47	J	1/16W		
R673,4			RK73GB1J912J	CHIP R	9.1K	J	1/16W		
R675-8			RK73GB1J470J	CHIP R	47	J	1/16W		
R679			RK73GB1J824J	CHIP R	820K	J	1/16W		
R680-2			RK73GB1J470J	CHIP R	47	J	1/16W		
R683,4			RK73GB1J103J	CHIP R	10K	J	1/16W		
R685			RK73GB1J470J	CHIP R	47	J	1/16W		
R686			RK73GB1J101J	CHIP R	100	J	1/16W		
R687			RK73GB1J560J	CHIP R	56	J	1/16W		
R688			RK73GB1J105J	CHIP R	1.0M	J	1/16W		
R689-91			RK73GB1J750J	CHIP R	75	J	1/16W	M2H	
R689-91			RK73GB1J750J	CHIP R	75	J	1/16W	YETXM	
R692			RK73GB1J473J	CHIP R	47K	J	1/16W	M2H	
R692			RK73GB1J473J	CHIP R	47K	J	1/16W	YETXM	
R693			RK73GB1J472J	CHIP R	4.7K	J	1/16W	M2H	
R693			RK73GB1J472J	CHIP R	4.7K	J	1/16W	YETXM	
R694			RK73FB2A274J	CHIP R	270K	J	1/10W	M2H	
R694			RK73FB2A274J	CHIP R	270K	J	1/10W	YETXM	
R695-8			R90-1333-08	LADDER R	47				
R699			RK73GB1J562J	CHIP R	5.6K	J	1/16W		
R700			RK73GB1J103J	CHIP R	10K	J	1/16W		
R701			RK73GB1J103J	CHIP R	10K	J	1/16W	MM2H	
R702			RK73GB1J470J	CHIP R	47	J	1/16W	MM2H	
R741			RK73GB1J683J	CHIP R	68K	J	1/16W		
R742			RK73GB1J473J	CHIP R	47K	J	1/16W		
R743,4			RK73FB2A2002F	CHIP R	20.0K	F	1/10W		
R745			RK73GB1J472J	CHIP R	4.7K	J	1/16W	M2H	
R745			RK73GB1J472J	CHIP R	4.7K	J	1/16W	YETXM	
R746,7			RK73GB1J103J	CHIP R	10K	J	1/16W		
R748			RK73GB1J100J	CHIP R	10	J	1/16W		
R749			RK73GB1J103J	CHIP R	10K	J	1/16W		
R750,1			RK73GB1J750J	CHIP R	75	J	1/16W		
R752			RK73GB1J103J	CHIP R	10K	J	1/16W		
R753			RK73GB1J470J	CHIP R	47	J	1/16W		
R754			RK73GB1J470J	CHIP R	47	J	1/16W		
R755,6			RK73GB1J104J	CHIP R	100K	J	1/16W		
R757			RK73GB1J470J	CHIP R	47	J	1/16W		
R758,9			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R760-3			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R764			RK73GB1J473J	CHIP R	47K	J	1/16W		
R765			RK73GB1J000J	CHIP R	0	J	1/16W		

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Ref. No	Address	New Parts	Parts No.	Description				Destination	Remarks
R766			RK73GB1J471J	CHIP R	470	J	1/16W		
R767-9			RK73GB1J470J	CHIP R	47	J	1/16W		
R770			RK73GB1J473J	CHIP R	47K	J	1/16W		
R771,2			RK73GB1J471J	CHIP R	470	J	1/16W		
R773-5			RK73GB1J103J	CHIP R	10K	J	1/16W		
R776,7			RK73GB1J220J	CHIP R	22	J	1/16W		
R778			RK73GB1J562J	CHIP R	5.6K	J	1/16W		
R779			RK73GB1J182J	CHIP R	1.8K	J	1/16W		
R780-2			RK73GB1J470J	CHIP R	47	J	1/16W		
R783			RK73GB1J330J	CHIP R	33	J	1/16W		
R784			RK73GB1J330J	CHIP R	33	J	1/16W		
R785			RK73GB1J473J	CHIP R	47K	J	1/16W		
R786-93			RK73GB1J470J	CHIP R	47	J	1/16W	MM2H	
R794			RK73GB1J103J	CHIP R	10K	J	1/16W	MM2H	
R795			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R797			RK73GB1J430J	CHIP R	43	J	1/16W		
D601			1N5232B	D-ZENER	1N5232B				
D602			RB441Q-40	D-SLP	RB441Q-40				
D603,4			1N4148	D-SLP	1N4148				
D605			UDZ2.2B	D-ZENER	UDZ 2.2 B				
D606			1SS355	D-SLP	1SS355				
IC 61			STI5508	IC-VIDEOPROC	STI5508			MM2H	
IC 61			STI5519	IC-VIDEOPROC	STI5519			KPYETX	
IC 62			M24C02WMN6	IC-EEPROM	M24C02WMN6				
IC 63			HY57V641620HGT	IC-DRAM 100M0	HY57V641620HGT-H				
IC 64			WM8728	IC-CONV	WM8728				
IC 65			BA4560F	IC-OPERAMP	BA4560F				
IC 66			M29W800AT	IC-MEMFLASH	M29W800AT90N1				
IC 66			SST39VF800A904	IC-MEMFLASH	SST39VF800A-90-				
IC 66			TMS29LF80	IC-MEMFLASH	TMS29				
IC 67			M74HCU04M1R	IC-LOGIC	M74HCU04M1R				
IC 68			MM1540AFBE	IC(75 Ω X2 DRIVER	FOR DVD)			M2H	
IC 68			MM1540AFBE	IC(75 Ω X2 DRIVER	FOR DVD)			YETXM	
IC 69			FAN8082	IC-MOTORCIR	FAN8082				
IC 70			WM8739EDS	IC-CONV	WM8739EDS			MM2H	
Q601,2			KTC3875Y	TR-SLPSWA	KTC3875Y				
Q603,4			DTC323TK	TR-SSD	DTC323TK				
Q605			KRA107S	TR-SSD	KRA107S				
Q606			KTC3875Y	TR-SLPSWA	KTC3875Y			M2H	
Q606			KTC3875Y	TR-SLPSWA	KTC3875Y			YETXM	
Q607			KTC3875Y	TR-SLPSWA	KTC3875Y				
Q608			KTA1504Y	TR-SLPSWA	KTA1504Y				
Q609			DTC114YKA	TR-SSD	DTC114YKA				
DSP PCB									
C301			CK73GB1H102K	CHIP C	1000PF	K			
C302			CK73GB1H103K	CHIP C	0.010UF	K			
C303-5			CK73GB1H102K	CHIP C	1000PF	K			
C306			CC73GCH1H221J	CHIP C	220PF	J			
C307			CK73GB1H103K	CHIP C	0.010UF	K			
C308			CK73GB1C224K	CHIP C	0.22UF	K			
C309			CK73GB1H103K	CHIP C	0.010UF	K			
C310			CK73GB1H122K	CHIP C	1200PF	K			
C312-18			CK73GB1H102K	CHIP C	1000PF	K			
C319			CK73GB1H473K	CHIP C	0.047UF	K			

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Ref. No	Address	New Parts	Parts No.	Description				Destination	Remarks
C320,21			CK73GB1H102K	CHIP C	1000PF	K			
C322			CC73GCH1H101J	CHIP C	100PF	J			
C323			CK73GB1H222K	CHIP C	2200PF	K			
C324			CK73GB1C104K	CHIP C	0.10UF	K			
C325,6			CC73GCH1H101J	CHIP C	100PF	J			
C327			CK73GB1H222K	CHIP C	2200PF	K			
C329			CK73GB1C104K	CHIP C	0.10UF	K			
C330			CC73GCH1H221J	CHIP C	220PF	J			
C331-7			CK73GB1H102K	CHIP C	1000PF	K			
C338			CK73GB1H122K	CHIP C	1200PF	K			
C339			CK73GB1H153K	CHIP C	0.015UF	K			
C340,1			CK73GB1H122K	CHIP C	1200PF	K			
C342			CK73GB1C104K	CHIP C	0.10UF	K			
C343			CK73GB1H122K	CHIP C	1200PF	K			
C344-6			CK73GB1C104K	CHIP C	0.10UF	K			
C347			CC73GCH1H221J	CHIP C	220PF	J			
C348			CK73GB1H332K	CHIP C	3300PF	K			
C349-51			CC73GCH1H221J	CHIP C	220PF	J			
C352			CC73GCH1H101J	CHIP C	100PF	J			
C353-5			CK73GB1H102K	CHIP C	1000PF	K			
C356			CK73GB1C104K	CHIP C	0.10UF	K			
C357			CK73GB1H473K	CHIP C	0.047UF	K			
C358			CK73GB1C104K	CHIP C	0.10UF	K			
C359			CK73GB1H473K	CHIP C	0.047UF	K			
C360			CC73GCH1H101J	CHIP C	100PF	J			
C362-7			CK73GB1C104K	CHIP C	0.10UF	K			
C368			CK73GB1H333K	CHIP C	0.033UF	K			
C369-78			CK73GB1C104K	CHIP C	0.10UF	K			
C379			CC73GCH1H470J	CHIP C	47PF	J			
C380			CC73GCH1H221J	CHIP C	220PF	J			
C381			CC73GCH1H470J	CHIP C	47PF	J			
C382-6			CK73GB1C104K	CHIP C	0.10UF	K			
C387			CC73GCH1H470J	CHIP C	47PF	J			
C388-90			CE04LW1C100M	ELECTRO	10UF	16WV			
C391			CE04LW1H2R2M	ELECTRO	2.2UF	50WV			
C392			CE04LW1C470M	ELECTRO	47UF	16WV			
C393			CE04LW1A101M	ELECTRO	100UF	10WV			
C394,5			CE04LW1C100M	ELECTRO	10UF	16WV			
C396			CE04LW1H2R2M	ELECTRO	2.2UF	50WV			
C397			CE04LW1C470M	ELECTRO	47UF	16WV			
C398			CE04LW1C100M	ELECTRO	10UF	16WV			
C399			CE04LW1H010M	ELECTRO	1.0UF	50WV			
C400,1			CE04LW1C100M	ELECTRO	10UF	16WV			
C402			CE04LW1H010M	ELECTRO	1.0UF	50WV			
C403,4			CE04LW1C100M	ELECTRO	10UF	16WV			
C405			CE04LW1H4R7M	ELECTRO	4.7UF	50WV			
C406			CE04LW1A101M	ELECTRO	100UF	10WV			
C407-13			CE04LW1C100M	ELECTRO	10UF	16WV			
C414,5			CE04LW1C221M	ELECTRO	220UF	16WV			
C417			CE04LW1C470M	ELECTRO	47UF	16WV			
C418-20			CE04KW0J102M	ELECTRO	1000UF	6.3WV			
C427,8			CC73GCH1H220J	CHIP C	22PF	J			
NJ34			E63-1244-08	CON PHONO SCKT	55164750				
L301-3			L92-0556-08	FBEAD SURFACE	55126690				

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Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
L314			L92-0557-08	LF-SMD 33U0H +	55185090			
L317			L92-0557-08	LF-SMD 33U0H +	55185090			
L318-25			L92-0556-08	FBEAD SURFACE	55126690			
L326-8			L32-1047-08	FBEAD SURFACE	55126670			
Y301		✻	W02-2962-08	VCXO 12M288 HZ	55348350			
L304			RK73FB2A000J	CHIP R	0	J 1/10W		
L306			RK73FB2A000J	CHIP R	0	J 1/10W		
L308-11			RK73FB2A000J	CHIP R	0	J 1/10W		
L312			RK73GB1J131J	CHIP R	130	J 1/16W		
L313			RK73FB2A000J	CHIP R	0	J 1/10W		
R301			RK73GB1J104J	CHIP R	100K	J 1/16W		
R302			RK73GB1J750J	CHIP R	75	J 1/16W		
R303			RK73GB1J682J	CHIP R	6.8K	J 1/16W		
R304			RK73GB1J471J	CHIP R	470	J 1/16W		
R305			RK73GB1J561J	CHIP R	560	J 1/16W		
R306			RK73GB1J103J	CHIP R	10K	J 1/16W		
R307			RK73GB1J472J	CHIP R	4.7K	J 1/16W		
R308			RK73GB1J471J	CHIP R	470	J 1/16W		
R309			RK73GB1J272J	CHIP R	2.7K	J 1/16W		
R310			RK73GB1J821J	CHIP R	820	J 1/16W		
R311			RK73GB1J123J	CHIP R	12K	J 1/16W		
R312			RK73GB1J472J	CHIP R	4.7K	J 1/16W		
R313			RK73GB1J103J	CHIP R	10K	J 1/16W		
R314			RK73GB1J333J	CHIP R	33K	J 1/16W		
R315,6			RK73GB1J472J	CHIP R	4.7K	J 1/16W		
R317			RK73GB1J104J	CHIP R	100K	J 1/16W		
R318			RK73GB1J682J	CHIP R	6.8K	J 1/16W		
R319,20			RK73GB1J471J	CHIP R	470	J 1/16W		
R321			RK73GB1J272J	CHIP R	2.7K	J 1/16W		
R322			RK73GB1J821J	CHIP R	820	J 1/16W		
R323			RK73GB1J104J	CHIP R	100K	J 1/16W		
R324			RK73GB1J562J	CHIP R	5.6K	J 1/16W		
R325			RK73GB1J471J	CHIP R	470	J 1/16W		
R326			RK73GB1J472J	CHIP R	4.7K	J 1/16W		
R327			RK73GB1J471J	CHIP R	470	J 1/16W		
R328			RK73GB1J272J	CHIP R	2.7K	J 1/16W		
R329			RK73GB1J821J	CHIP R	820	J 1/16W		
R330			RK73GB1J104J	CHIP R	100K	J 1/16W		
R331			RK73GB1J471J	CHIP R	470	J 1/16W		
R332			RK73GB1J272J	CHIP R	2.7K	J 1/16W		
R333			RK73GB1J473J	CHIP R	47K	J 1/16W		
R334,5			RK73GB1J103J	CHIP R	10K	J 1/16W		
R337,8			RK73GB1J151J	CHIP R	150	J 1/16W		
R339			RK73GB1J203J	CHIP R	20K	J 1/16W		
R340			RK73GB1J473J	CHIP R	47K	J 1/16W		
R341-3			RK73GB1J103J	CHIP R	10K	J 1/16W		
R344,5			RK73GB1J151J	CHIP R	150	J 1/16W		
R346,7			RK73GB1J103J	CHIP R	10K	J 1/16W		
R348			RK73GB1J100J	CHIP R	10	J 1/16W		
R349			RK73GB1J222J	CHIP R	2.2K	J 1/16W		
R350			RK73GB1J131J	CHIP R	130	J 1/16W		
R351			RK73GB1J104J	CHIP R	100K	J 1/16W		
R352			RK73GB1J682J	CHIP R	6.8K	J 1/16W		
R353,4			RK73GB1J471J	CHIP R	470	J 1/16W		
R355			RK73GB1J123J	CHIP R	12K	J 1/16W		

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R356			RK73GB1J473J	CHIP R	47K	J 1/16W		
R357			RK73GB1J272J	CHIP R	2.7K	J 1/16W		
R358			RK73GB1J821J	CHIP R	820	J 1/16W		
R359			RK73GB1J104J	CHIP R	100K	J 1/16W		
R360			RK73GB1J682J	CHIP R	6.8K	J 1/16W		
R361			RK73GB1J101J	CHIP R	100	J 1/16W		
R362,3			RK73GB1J471J	CHIP R	470	J 1/16W		
R364,5			RK73GB1J472J	CHIP R	4.7K	J 1/16W		
R366			RK73GB1J272J	CHIP R	2.7K	J 1/16W		
R367-9			RK73GB1J103J	CHIP R	10K	J 1/16W		
R370			RK73GB1J821J	CHIP R	820	J 1/16W		
R371-5			RK73GB1J472J	CHIP R	4.7K	J 1/16W		
R376-9			RK73GB1J123J	CHIP R	12K	J 1/16W		
R381			RK73GB1J123J	CHIP R	12K	J 1/16W		
R382			RK73GB1J203J	CHIP R	20K	J 1/16W		
R383			RK73GB1J103J	CHIP R	10K	J 1/16W		
R384			RK73GB1J682J	CHIP R	6.8K	J 1/16W		
R385			RK73GB1J471J	CHIP R	470	J 1/16W		
R386			RK73GB1J821J	CHIP R	820	J 1/16W		
R387			RK73GB1J102J	CHIP R	1.0K	J 1/16W		
R394			RK73GB1J151J	CHIP R	150	J 1/16W		
R395-401			RK73GB1J220J	CHIP R	22	J 1/16W		
R402,3			RK73GB1J3R3J	CHIP R	3.3	J 1/16W		
R404			RK73GB1J911J	CHIP R	910	J 1/16W		
R405,6			RK73GB1J101J	CHIP R	100	J 1/16W		
R407			RK73GB1J242J	CHIP R	2.4K	J 1/16W		
R408-16			RK73GB1J100J	CHIP R	10	J 1/16W		
R417-19			RK73GB1J221J	CHIP R	220	J 1/16W		
R425,6			RK73GB1J620J	CHIP R	62	J 1/16W		
IC31		✻	CS4228QFP44	IC COMM	CS4228 QFP44			
IC32			AT27LV010A90JC	IC-EPROM	AT27LV010A-90JC			
IC33			CS493263-CL	IC-LOWFREQ	CS493263-CL			
IC34-8			KIA4558F	IC-OPERAMP	KIA4558F			
IC39			CS8415A-CS	IC-LOWFREQ	CS8415A-CS			
IC40,1			74VHC244MX	IC-LOGIC	74VHC244MX			
IC42,3			74VHC574MX	IC-LOGIC F/F	74VHC574MX			
Q301			KTA1504Y	TR-SLPSWA	KTA1504Y			
NJ35			W02-2911-08	D-LEM TOTX178B	55125440			

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HOW TO READ THE PARTS LIST
ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	ABB.	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
DVR-605	-	-	P	-	-	-	-	-	-
DVR-6100	-	X	-	-	T	E	-	-	-
DVR-6100K	-	-	-	-	-	-	-	H	-

MODEL	ABB.	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA	Other area	UAE
DVR-605	-	-	-	-	-	-	K	-	
DVR-6100	-	-	Y	-	-	-	-	-	
DVR-6100K	-	-	-	-	-	-	-	M	M2

DVR-6100/6100K

SPECIFICATIONS

Main unit

[Amplifier section]

Effective output power during STEREO operation
1 kHz, 10 % T.H.D. at 6 Ω ..... 40 W + 40 W
Effective output power during SURROUND operation
Front (1 kHz, 10 % T.H.D. at 6 Ω) ..... 40 W + 40 W
Center (1 kHz, 10 % T.H.D. at 6 Ω) ..... 40 W
Subwoofer (100 Hz, 10 % T.H.D. at 6 Ω) ..... 80 W
Surround (1 kHz, 10 % T.H.D. at 6 Ω) ..... 40 W + 40 W
Input sensitivity / impedance
VCR / SAT / CABLE / FRONT ..... 600 mV / 68 kΩ
Output level / impedance
VCR ..... 600 mV / 470 Ω

[Tuner section]

FM tuner section
Tuning frequency range ..... 87.5 MHz ~ 108 MHz
AM Tuner section
Tuning frequency range (for U.K., Europe and Australia)
..... 531 kHz ~ 1,602 kH
Tuning frequency range (for U.S.A. and Canada)
..... 530 kHz ~ 1,700 kHz
Tuning frequency range (for other countries)
..... 531 kHz ~ 1,602 kHz / 530 kHz ~ 1,610 kHz

[DVD/CD/VIDEO CD player section]

Laser ..... Semiconductor laser
Wow & Flutter ..... Less than unmeasurable Limit
Video output format (for U.S.A. and Canada) ..... NTSC
Video output format (for other countries) ..... NTSC/PAL
VIDEO OUTPUT
Composite video output level/impedance ..... 1 Vp-p (75 Ω)
S-video output
Y output level/impedance ..... 1 Vp-p (75 Ω)
C output level/impedance
NTSC ..... 0.286 Vp-p (75 Ω)
PAL ..... 0.3 Vp-p (75 Ω)
Component video output (only for some areas)
Y output level/impedance ..... 1 Vp-p (75 Ω)
C/b output level/impedance ..... 0.7 Vp-p (75 Ω)
C/r output level/impedance ..... 0.7 Vp-p (75 Ω)
Compression format MPEG1/MPEG2

[DIGITAL AUDIO section]

Sampling frequency ..... 32 kHz, 44.1 kHz, 48 kHz
Input level/impedance/wave length
Optical ..... -15 dBm ~ 21 dBm (660 nm ±30 nm)
Coaxial ..... 0.6 Vp-p (75 Ω)
Digital output ..... -15 dBm ~ 21 dBm
(Wave length 660 nm)

[General]

Power consumption ..... 130 W (for U.S.A. and Canada)
130 W (for U.K.)
130 W (for other countries)
Dimensions ..... W: 440 mm (17-5/16")
H: 93 mm (3-11/16")
D: 410 mm (16-1/8")
Weight (net) ..... 8.5 kg

KS-306DV Speakers (Front/Surround) (for U.S.A and Canada)

Enclosure ..... Bass-Reflex type
(Front Speaker Magnetically shielded)
Speaker configuration
Woofer ..... 80 mm (3"), cone type
Tweeter ..... 25 mm (1"), balanced dome type

Impedance ..... 6 Ω
Maximum input power ..... 40 W
Dimensions ..... W: 111 mm (4-3/8")
H: 156 mm (6-1/8")
D: 129 mm (5-1/16")
Weight (net)
Front speakers ..... 0.9 kg (2.0 lb) (1 piece)
Surround speaker ..... 0.8 kg (1.8 lb) (1 piece)

KS-306DV Speakers (Center) (for U.S.A and Canada)

Enclosure ..... Acoustic Air Suspension type (Magnetically shielded)
Speaker configuration
Woofer ..... 80 mm (3"), cone type
Tweeter ..... 25 mm (1"), balanced dome type
Impedance ..... 6 Ω
Maximum input power ..... 40 W
Dimensions ..... W: 252 mm (9-15/16")
H: 111 mm (4-3/8")
D: 129 mm (5-1/16")
Weight (net) ..... 1.1 kg (2.4lb)

SW-06DV Speaker (Subwoofer) (for U.S.A and Canada)

Enclosure ..... Bass-reflex type (Magnetically shielded)
Speaker configuration
Woofer ..... 160 mm (6-1/2"), cone type
Impedance ..... 6 Ω
Maximum input power ..... 80 W
Dimensions ..... W: 120 mm (8-11/16")
H: 350 mm (13-3/4")
D: 355 mm (14")
Weight (net) ..... 5.9 kg

KSW-6100 Speakers (Front/Center/Rear) (for other countries)

Enclosure ..... Acoustic Air Suspension type (Magnetically shielded)
Speaker configuration
Fullrange ..... 50 mm, cone type
Impedance ..... 6 Ω
Maximum input power ..... 40 W
Dimensions ..... W: 70 mm
H: 125 mm
D: 110 mm
Weight (net)
Front and Center speakers ..... 0.48 kg (1 piece)
Surround speakers ..... 0.36 kg (1 piece)

KSW-6100 Speaker (Subwoofer) (for other countries)

Enclosure ..... Bass-reflex type
Speaker configuration
Woofer ..... 160 mm, cone type
Impedance ..... 6 Ω
Maximum input power ..... 80 W
Dimensions ..... W: 190 mm
H: 400 mm
D: 355 mm
Weight (net) ..... 5.7 kg

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Sufficient performance may not be possible at very low temperatures (0°C or less).

Note:
Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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